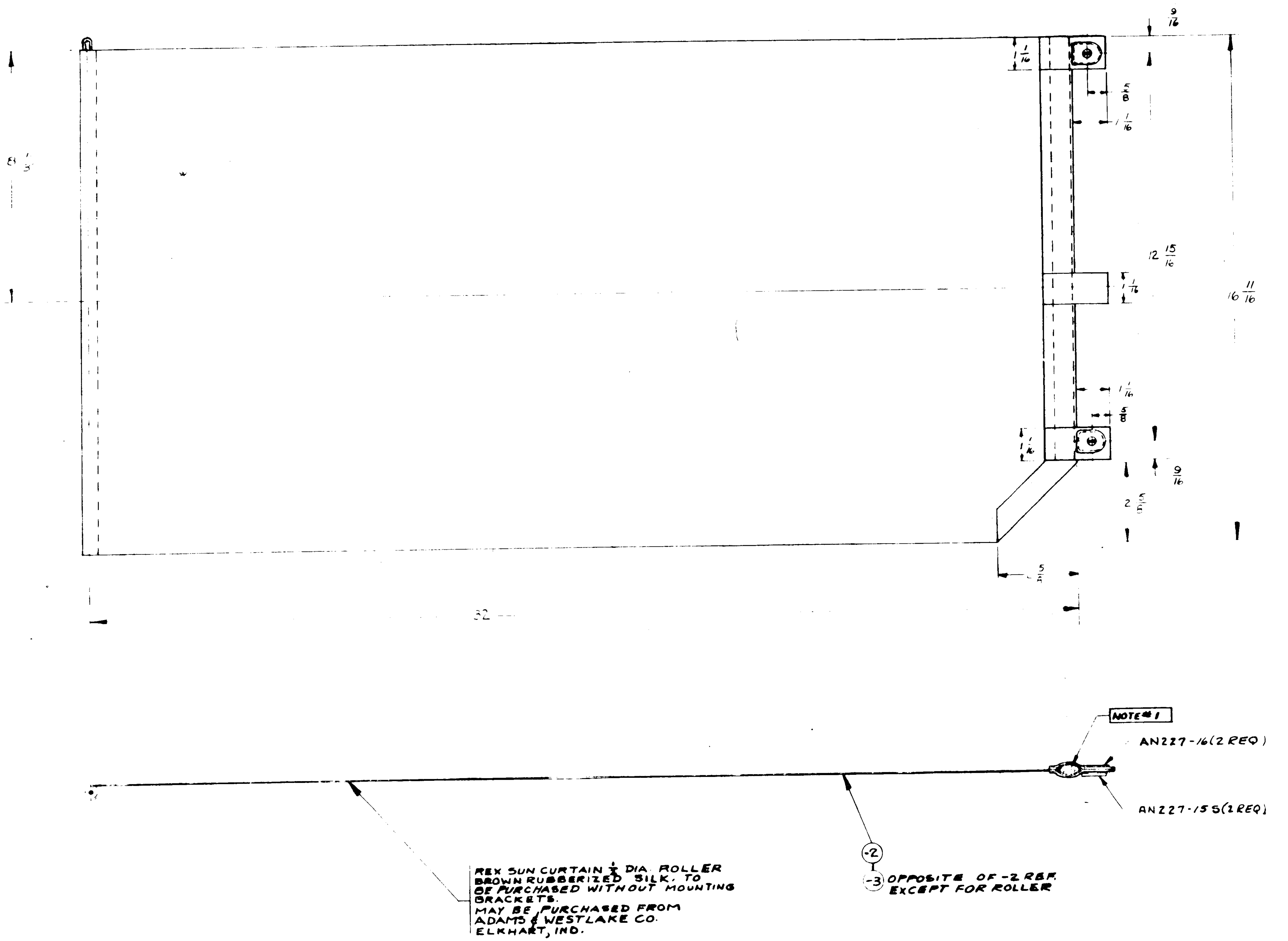
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				H	REDRAWN & REVISED FOR CURRENT MODELS NO WT. CHG.	6-7-43	LINN
				J	IN REQT. PER AIRPLANE COLUMN REPLACED -2 WITH -L & REPLACED -3 WITH -R NO WEIGHT CHANGE	6-8-43	LINN



NOTES:

1. CURTAIN MUST BE FURNISHED WITH STICK IN HEM STITCHED IN PLACE AS SHOWN.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-R	28-5AMN	28F266	1
-L	28-5AMN	↕	1
-R	28-5AMC		1
-L	28-5AMC		1
-R	28-5MN		1
-L	28-5MN		1
-R	28-5ME		1
-L	28-5ME		1
-R	28-5MC		1
-L	28-5MC		1
-R	28-5MA		1
-L	28-5MA		1
-R	OA-10		1
-L	OA-10		1
-R	PBY-5B		1
-L	PBY-5B		1
-R	PBY-5A		1
-L	PBY-5A		1
-R	PBY-5		1
-L	PBY-5	28F266	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	LH REQ	RH REQ
AN227-16				2	2
AN227-15S				2	2
-R	16 11/16 x 32	RUBBERIZED SILK	COMM.		1
-L	16 11/16 x 32	RUBBERIZED SILK	COMM.	1	

PARTS LIST PER ASSY.

REPLACES 22F976-"G"-CHANGE | .61 CALC. WT
REPLACED BY | ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

AC		JERLE		MILLER		L.C.W.	
NAVY NONE	NONE	2-16-33		2-16-33		2-16-33	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

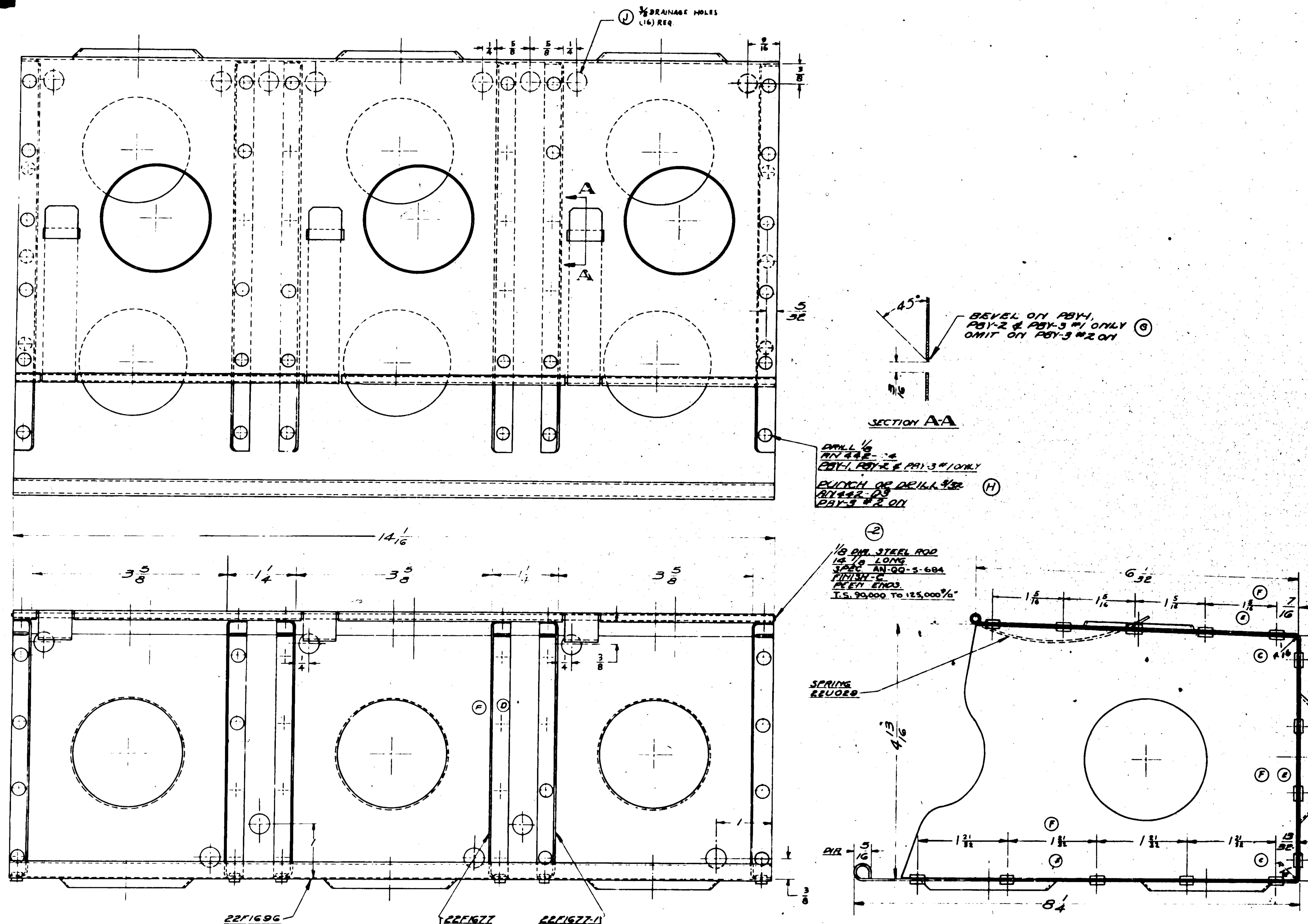
NAME CURTAIN - FURNISHING - PILOT'S COMPARTMENT-UPPER

OPP. HAND

DWG. SIZE G | 22F976

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

1/22/41



FINISH
2-2 GP BEFORE INSTALLING 22U029
1 GP ON COMPLETED ASSEMBLY

OPPOSITE HAND

DRAWING APPLIES ON:				DETAIL PARTS PER ASSEMBLY:			
AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE	STANDARD PARTS	NO. REQ'D	PART NUMBER	NO. REQ'D

AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE	STANDARD PARTS	NO. REQ'D	PART NUMBER	NO. REQ'D
B-24	32F955		3	AN442D3	84		
XB-24	32F955		3	AN442D4	84		
PBY-4							
PBY-3			3			22U029	3
PBY-2			3			22F1696	1
PBY-1			3			22F1677-1	3
XPBY-1	28F212		3			22F1677	5
P2Y3	22F1707		3			-2	1
PBY-5A	28F212		3				
PBY-5B	28F212		3				
PBY-5	28F212		3				
B24A	32F955		3				

NAVY APPROVED LCW DATE 1-16-36

CALC. WT. 1.30 | ACT. WT.

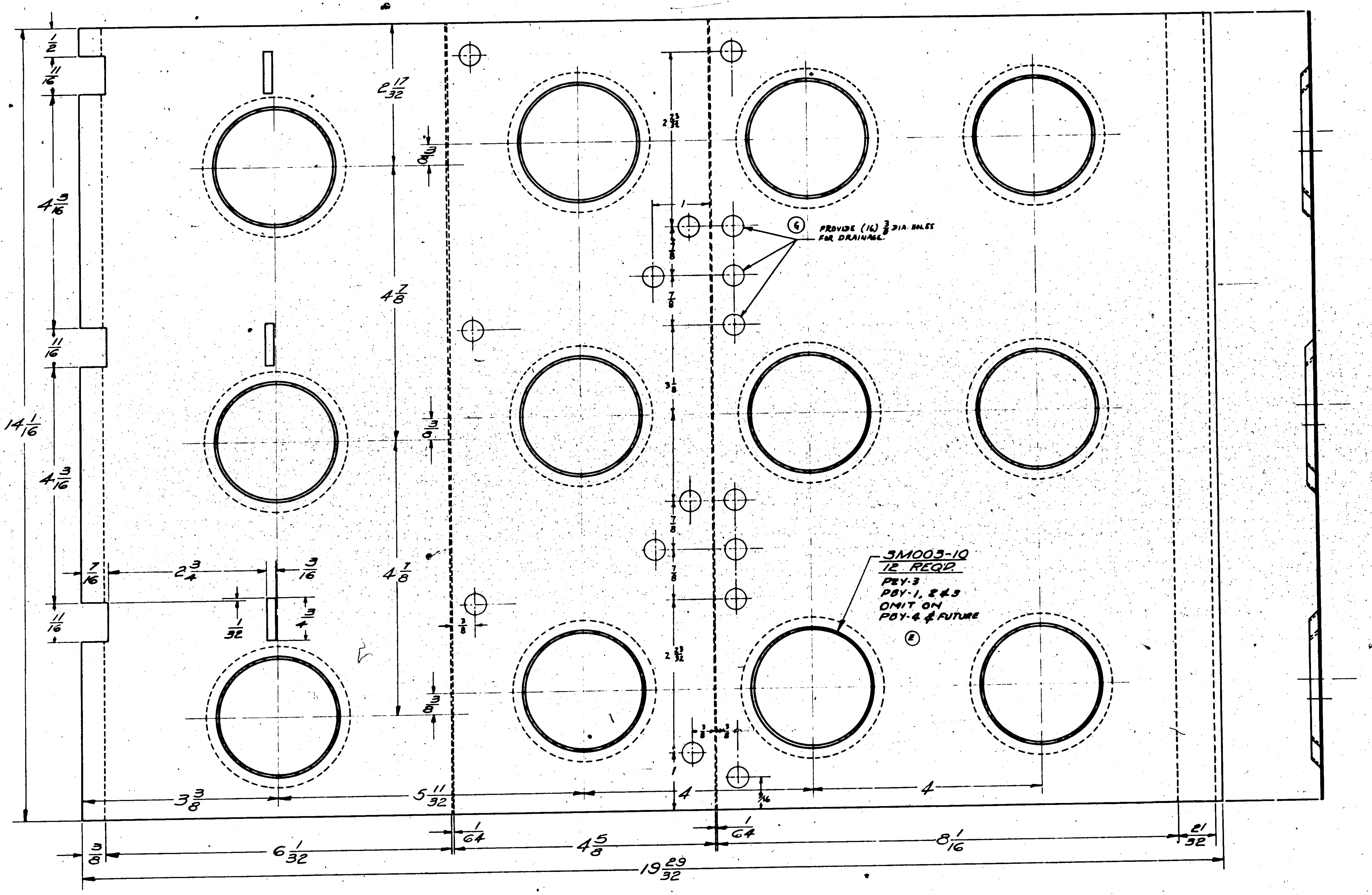
SCALE 12" = 1'-0"

GP - GREEN PRIME

MATERIAL	NOTED	DRAFTSMAN	
SPEC'S. NO.:	NOTED	STRENGTH & WT. EXAM.	
HEAT TREAT	NOTED	CHECKED	
FINISH	NOTED	APPR'VD. & REL'SD.	

RACK ASSEMBLY - FURNISHINGS - 300 RDS. AMM.

CONSOLIDATED AIRCRAFT CORPN. DR'WG. No. 22F1695



OPPOSITE HAND

AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE	STANDARD PARTS	NO. REQ'D	PART NUMBER	NO. REQ'D
DRAWING APPLIES ON:				DETAIL PARTS PER ASSEMBLY:			

AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE	STANDARD PARTS	NO. REQ'D	PART NUMBER	NO. REQ'D
PBY-5A	22F1695		3				
PBY-5B	22F1695		3				
PBY-5	22F1695		3				
B-24A	22F1695		3				
B-24	22F1695		3				
XB-24	22F1695		3				
PBY-4	22F1695						
PBY-3	22F1696		3				
PBY-2	22F1695		3				
PBY-4	22F1695		3				
XP3Y-1	22F1695		3				
PBY-3	22F1695		3				
DRAWING APPLIES ON:				DETAIL PARTS PER ASSEMBLY:			

NAVY APPROVED LCW 1-14-36 DATE

CALC. WT.	ACT. WT.

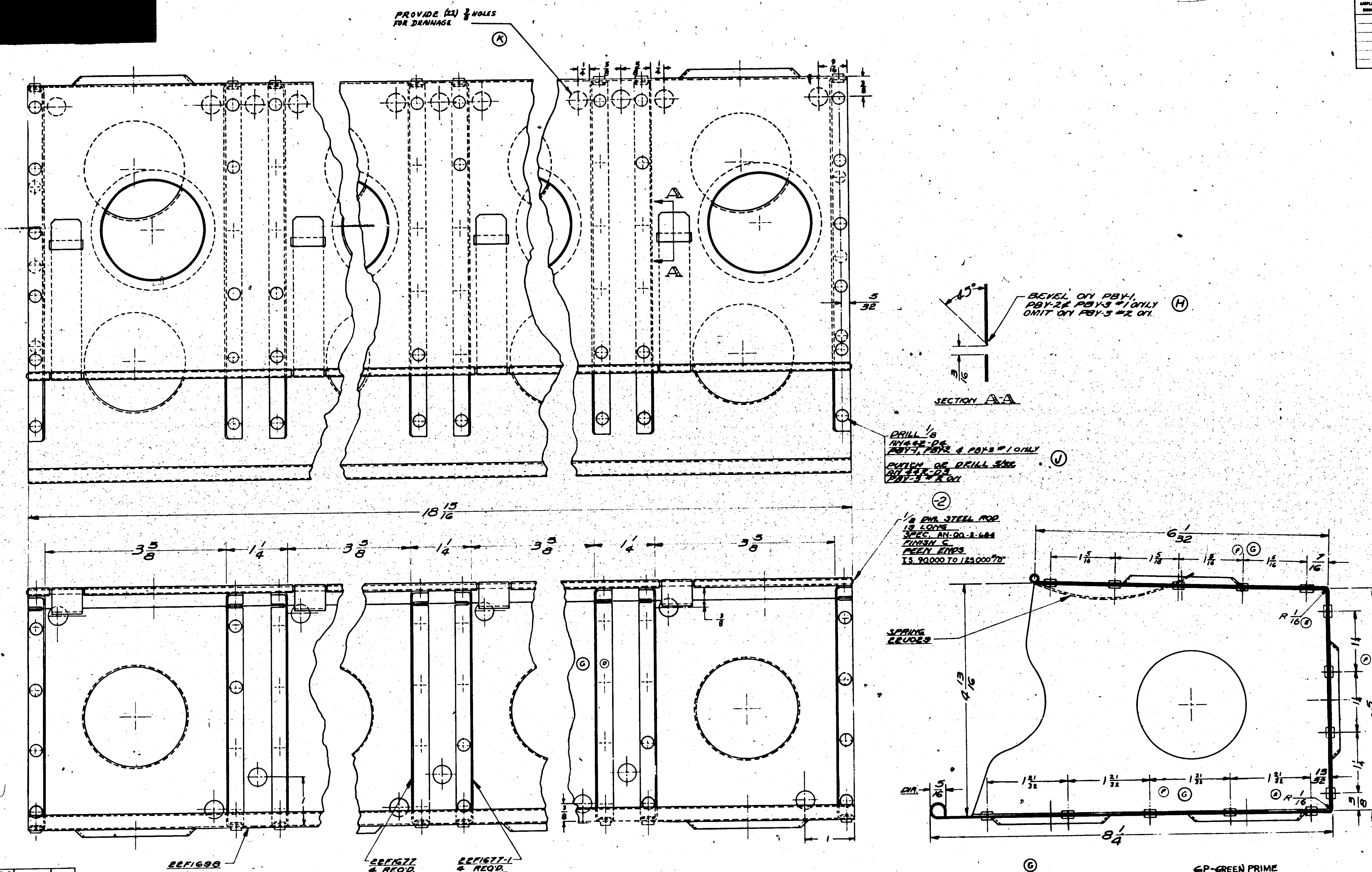
SCALE 12" = 1'0"			
MATERIAL .030 ALCLAD 24 ST	DRAFTSMAN	[illegible] 2-2-35	MILLER 4-18-35
SPEC'S. AN NO 47A8 COND T	STRENGTH & W'T. EXAM.		
HEAT TREAT NONE	CHECKED	[signature]	
FINISH NONE	APPR'VD. & REL'S'D.		

SHELL FURNINGS-FLAT PATTERN 300 RDS AMM. RACK.

CONSOLIDATED AIRCRAFT CORPN. DR'WG. No. 22F1696

C.O. 6577

RE



FINISH
2-2GP. BEFORE INSTALLING -2 & 22U029
1 GP ON COMPLETED ASSEMBLY.

GP-GREEN PRIME

LET	CHANGED	DATE	CH. BY
L	ON FACE FOR -2, SPEC "AN-QQ-S-684" WAS "16323" ADDED "T.S. 90,000 TO 125,000#/□" IN H.T. BLOCK "NOTED" WAS "NONE" BRO'T REQ/DR TO DATE NO WTCHG	6-11-43	
K	ADDED (22) DRAINAGE HOLES	12/3/40	RKAE
J	CHGD RIVETS TO 5/32	10-26-37	
H	REMOVED BEVEL PBY3 #2 ON	10-26-37	
G	CHANGED SPOT WELDS TO RIVETS & RESPACED	7-8-37	Thompson
F	RESPACED FOR SPOT WELDS	2-6-37	NELSON
E	CHANGED BEND RADIUS AT	2-6-37	NELSON
D	CHANGED RIVETS TO SPOT WELDS	2-6-37	NELSON
C	Assy No's For PBY-1 Added	3-11-36	
B	PBY-1 ADDED	1-10-36	JAFR
A	TRACED TO DATE	4-16-35	FWM

ED.17078

AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASSY	NO. PER AIRPLANE
PBY-4			
PBY-3			3
PBY-2			3
PBY-1	28F1174		1
PBY-1	28F210		1
PBY-1	28F211		1
XP3Y-1	28F210		1
XP3Y-1	28F211		1
P2Y-3	22F1701		1
P2Y-3	22F1706		1
PBY-5A	28F1174		1
PBY-5B	28F1174		1
PBY-6	28F1174		1
PB2Y-2	29F1097		2
B24A (#1-20)	32F1306		1
B24A (#1-20)	32F1306		1
B24 (#1-30)	32F1306		1
B24 (#1-30)	32F1308		1

DRAWING APPLIES ON:

NAVY APPROVED LCW 1-14-36 DATE

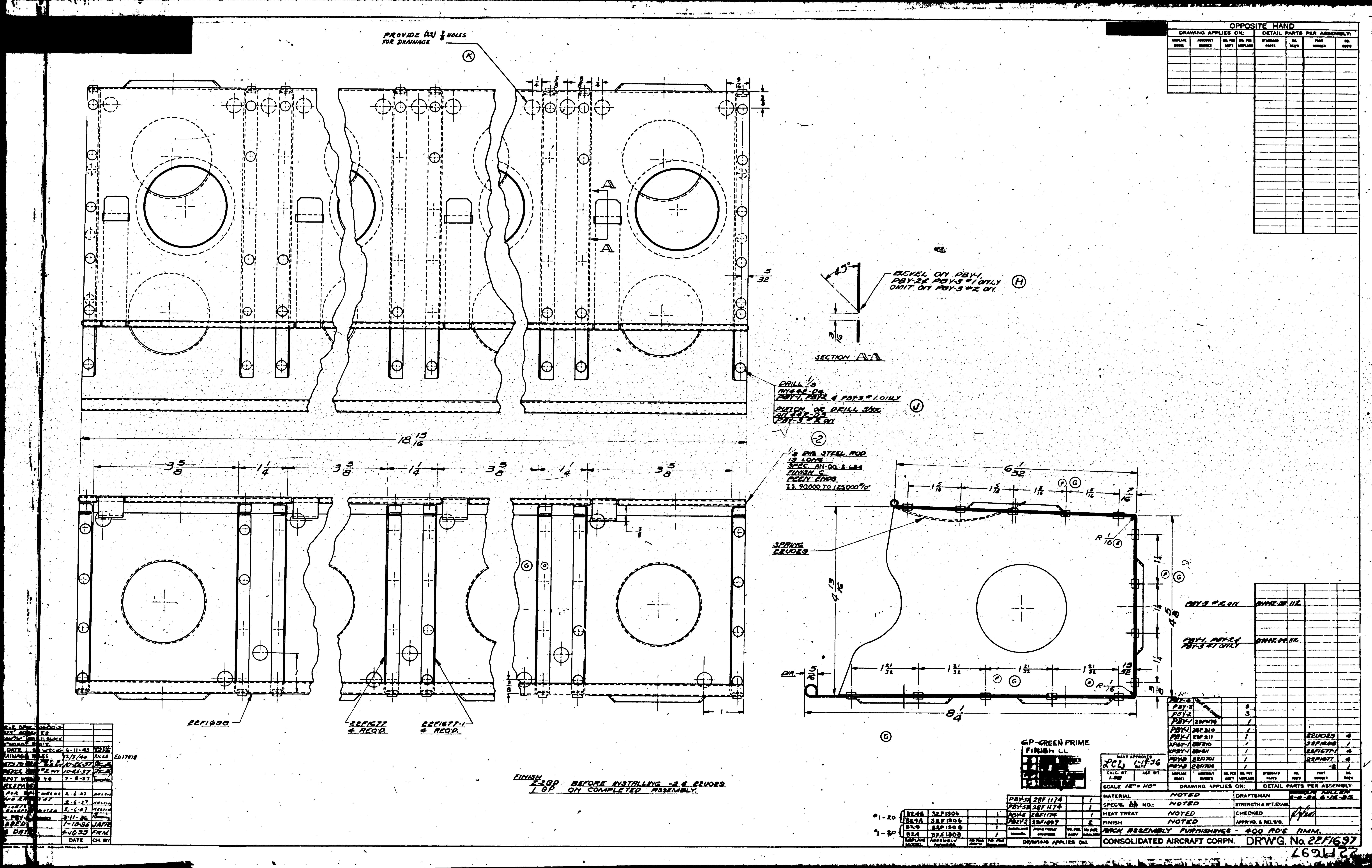
CALC. WT. 1.80 | ACT. WT.

SCALE 12" = NO"

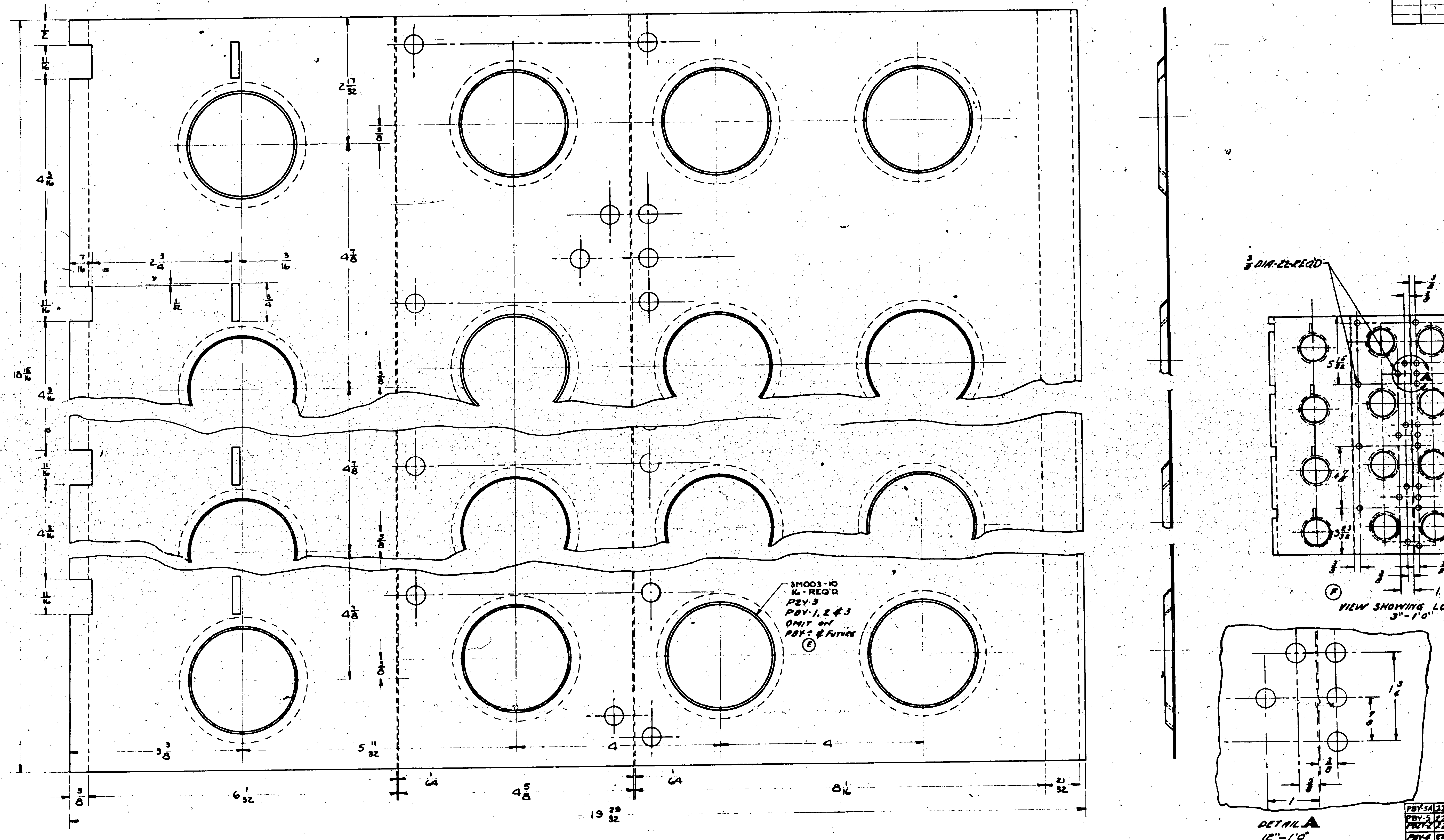
MATERIAL	NOTED	DRAFTSMAN
SPEC'S. AN NO.:	NOTED	STRENGTH & WT.
HEAT TREAT	NOTED	CHECKED
FINISH	NOTED	APPR'VD. & ISSU.

RACK ASSEMBLY FURNISHINGS - 400

CONSOLIDATED AIRCRAFT CORPN. DRW



OPPOSITE HAND
PROVIDE (22) 1/8 HOLES FOR DRAINAGE
BEVEL ON PBY-1, PBY-2 & PBY-3 #1 ONLY OMIT ON PBY-3 #2 ON.
SECTION A-A
DRILL 1/8
1/8 DIA. STEEL ROD 13 LONG
FINISH C
PEEN ENDS
SPRING 22U029
22F1698
22F1677 4 REQ'D.
22F1677-1 4 REQ'D.
GP-GREEN PRIME
FINISH
Z-2GP BEFORE INSTALLING -2 & 22U029
1 GY ON COMPLETED ASSEMBLY.
NAVY APPROVED
SCALE 12" = NO"
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY:
MATERIAL NOTED
HEAT TREAT NOTED
FINISH NOTED
DRAFTSMAN
STRENGTH & WT. EXAM.
CHECKED
APPR'VD. & REL'S'D.
RACK ASSEMBLY FURNISHINGS - 400 RD'S AMM.
CONSOLIDATED AIRCRAFT CORPN.
DR'WG. No. 22F1697



PBY-5A	22F1697		1
PBY-5	22F1697		1
PBY-2	22F1697		2
PBY-4	22F1697		
PBY-3	22F1697		3
PBY-2	22F1697		3
PBY-1	22F1697		3
XPBY-1	22F1697		2
P2Y-3	22F1697		2
AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE

DRAWING APPLIES ON:

NAVY APPROVED LCW 1-16-36 DATE

CALC. WT. 1.01 | ACT. WT.

SCALE 12" = 1'0"

MATERIAL .030 ALCLAD 24ST

SPEC'S. AN NO 47A8 COND. T.

HEAT TREAT NONE

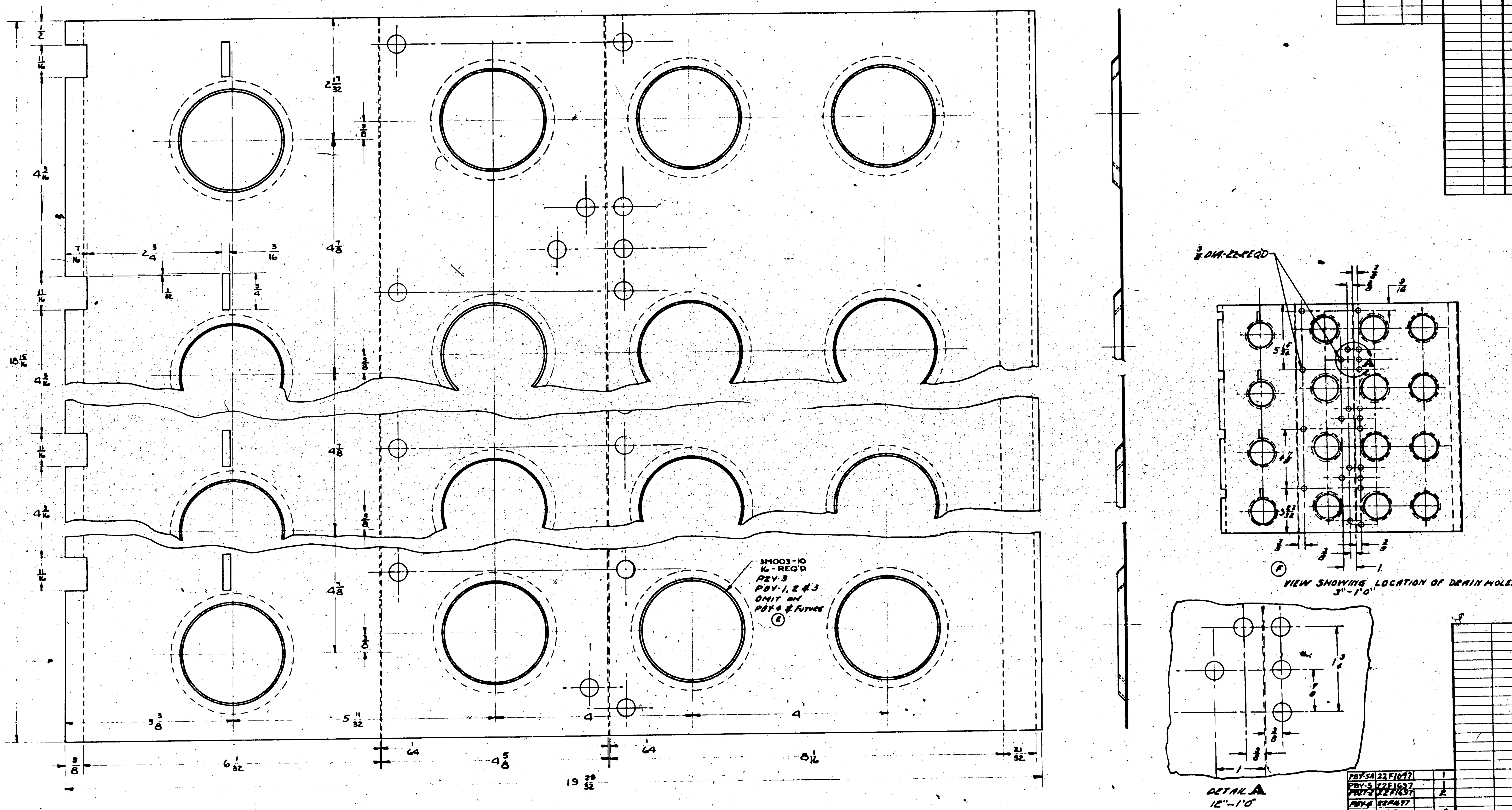
FINISH NONE

SHELL- FURNISHINGS - FLAT PATTERN

CONSOLIDATED AIRCRAFT CORPN. DRW.

DRAFTSMAN | STRENGTH & WT. | CHECKED | APPR'VD. & REL'D.

LET.	CHANGED	DATE	CH. BY
F	VIEW & DRAIN HOLES ADDED	12-16-40	[illegible] EO17078
E	[illegible] Lightening Holes - PBY-4	1-19-38	[illegible]
D	CHANGED MATERIAL TO ALCLAD	2-6-37	[illegible]
C	PBY-1 REQ. ADDED	1-10-36	JAFFE
B	MATERIAL WAS 17ST	1-10-36	JAFFE
A	TRACED UP TO DATE	4-15-35	STERN



OPPOSITE HAND

DRAWING APPLIES ON:				DETAIL PARTS PER ASSEMBLY:			
AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE	STANDARD PARTS	NO. REQ'D	PART NUMBER	NO. REQ'D

AIRPLANE MODEL	ASSEMBLY NUMBER	NO. PER ASS'Y	NO. PER AIRPLANE
PBY-5A	22F1697		1
PBY-5	22F1697		1
PBY-2	22F1697		2
PBY-4	22F1697		
PBY-3	22F1697		3
PBY-2	22F1697		3
PBY-1	22F1697		3
XPBY-1	22F1697		2
PZY-3	22F1697		2

NAVY APPROVED LCW 1-14-36 DATE

CALC. WT. 1.01 | ACT. WT.

SCALE 12" = 1'0"

MATERIAL .030 ALCLAD 24ST

SPEC'S. AN NO 47A6 COND. T.

HEAT TREAT NONE

FINISH NONE

DRAFTSMAN

STRENGTH & W'T. EXAM.

CHECKED

APPR'VD. & REL'S'D.

SHELL - FURNISHINGS - FLAT PATTERN 400 RDS. AMM. RACK

CONSOLIDATED AIRCRAFT CORPN. DR'WG. No. 22F169

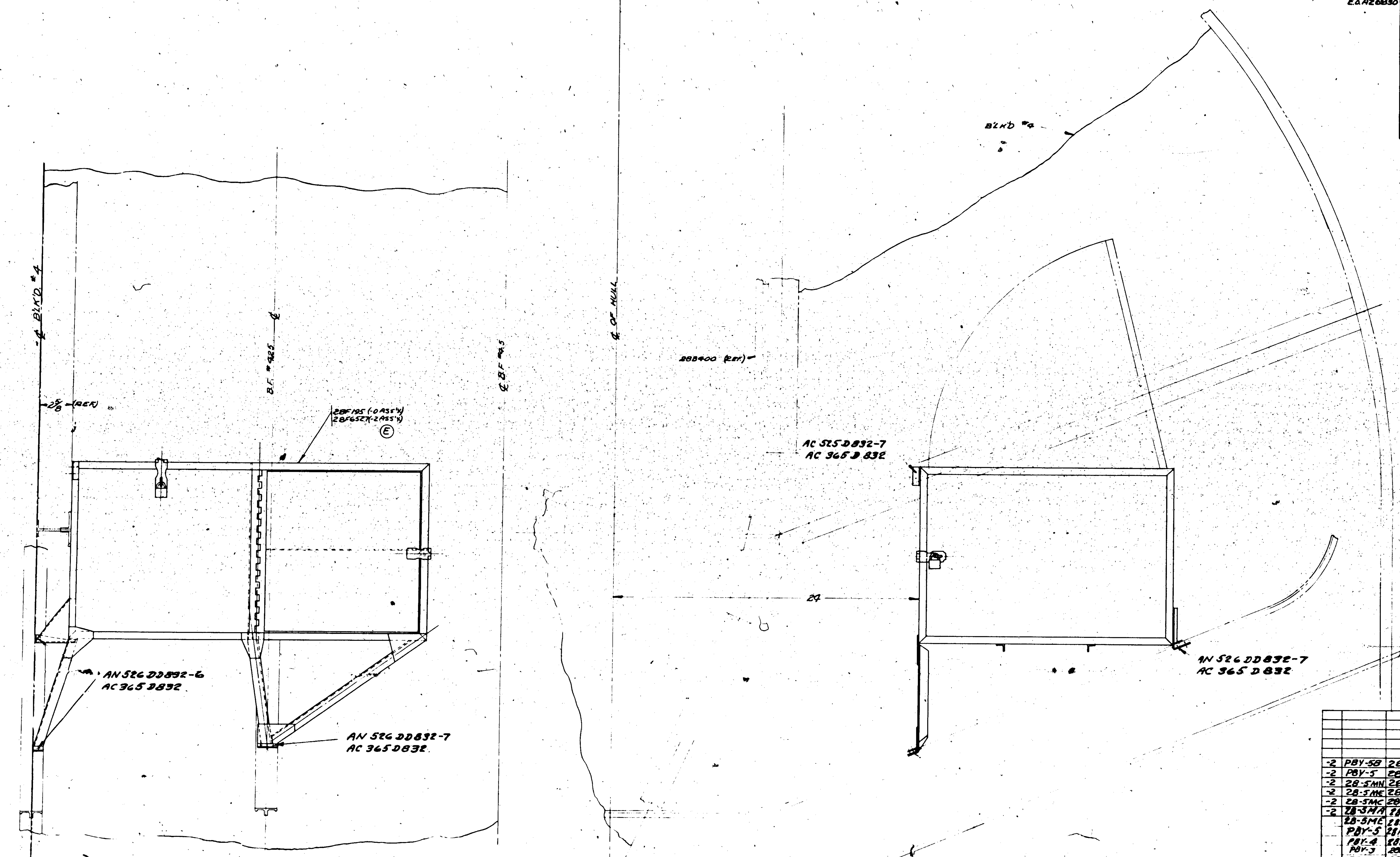
CHANGE	DATE	CH. BY
WALLS ADDED	12-16-40	EO17070
...-PBY-4	1-19-38	
TO ALCLAD	2-6-37	
ADDED	1-10-36	JAFFE
...AS 17ST	1-10-36	JAFFE
...TO DATE	4-15-35	

LET	ALTERATION	DATE	BY
C	TRACED	5-6-37	RMC
D	REPLACED: AN526-DD832-6-7 & AN525-DD832-7, AC365-D832 WERE AN442-D4 ON FACE OF DWG & IN B/M	4-23-[illegible]	[illegible]EIN
E	CREATED -2 ASS'Y ADDING 28F6527 TO FACE OF DWG. NO WT. CHG.	3-19-42	HUNT

SUPPLIES & EQUIPMENT CLASSIFICATION

E.O. 33609 PBY-5, 28-5ME, MA.

E.O. A26830



AN526DD832-6	3		3
AN526DD832-7	4		4
AC365D832	9		9
AC525D832-7	2		2
28F6527		1	
28F195	1		
	L	R	L R
			-2
MAT.	PARTS LIST PER ASSY.		

O.H.	MODEL	NEXT ASSY	REQ.
-2	PBY-5B	28F7002	1
-2	PBY-5	28F1002	1
-2	28-5MN	28F5502	1
-2	28-5ME	28F5502	1
-2	28-5MC	28F5502	1
-2	28-5MA	28F5502	1
	28-5ME	28F5502	1
	PBY-5	28F1002	1
	PBY-4	28F1002	
	PBY-3	28F1002	
	PBY-2	28F1002	
	PBY-1	28F1002	
	XP3Y-1	28F002	

REQUIREMENTS PER AIRPLANE

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±

APPROVED [illegible] DATE 5-6-37

CALC. WT. | ACT. WT.

SCALE 3"=1'=0"

AC

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NOTED	NOTED	NONE	NONE

DRAFT	CHECK	EXAM.	ENG.
6-17-37 [illegible]	H.M.P.		
[illegible] 6-2-37			

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

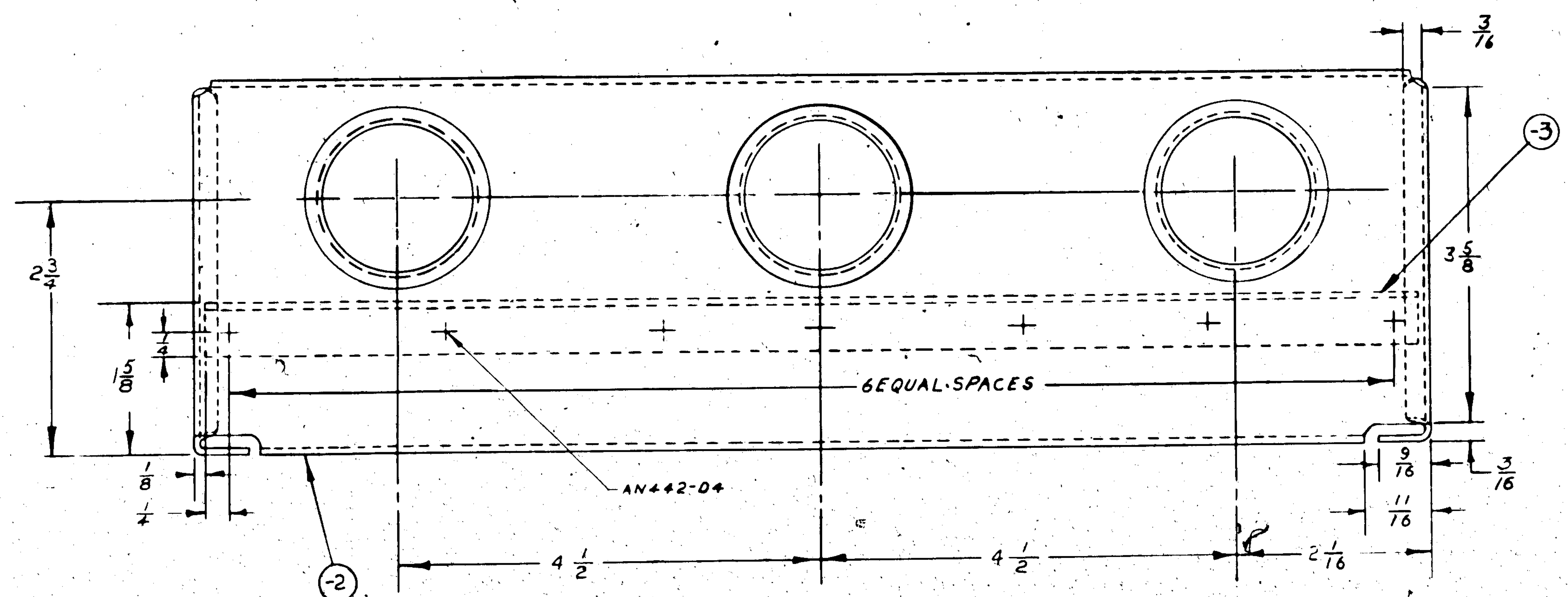
STAMP PT. No. WHERE SHOWN

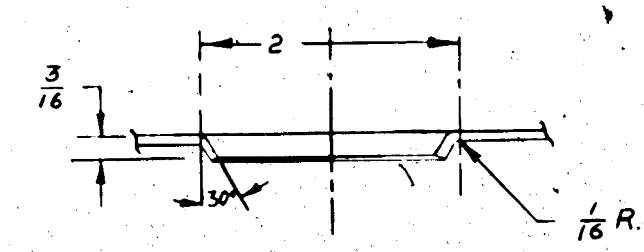
NAME: LOCKER INST. FURN. TOOL & MISC GEAR

OPP. HAND

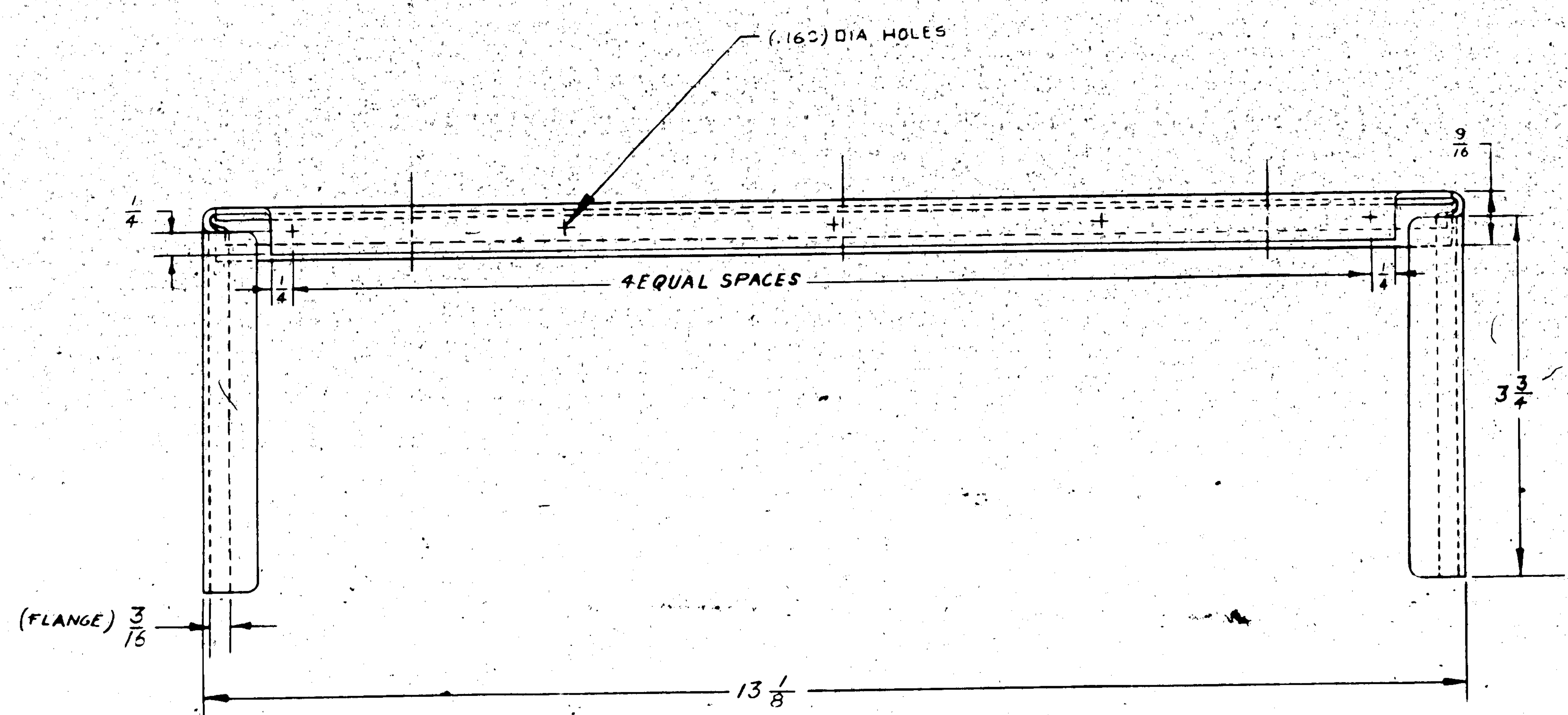
DWG. SIZE G 28F022

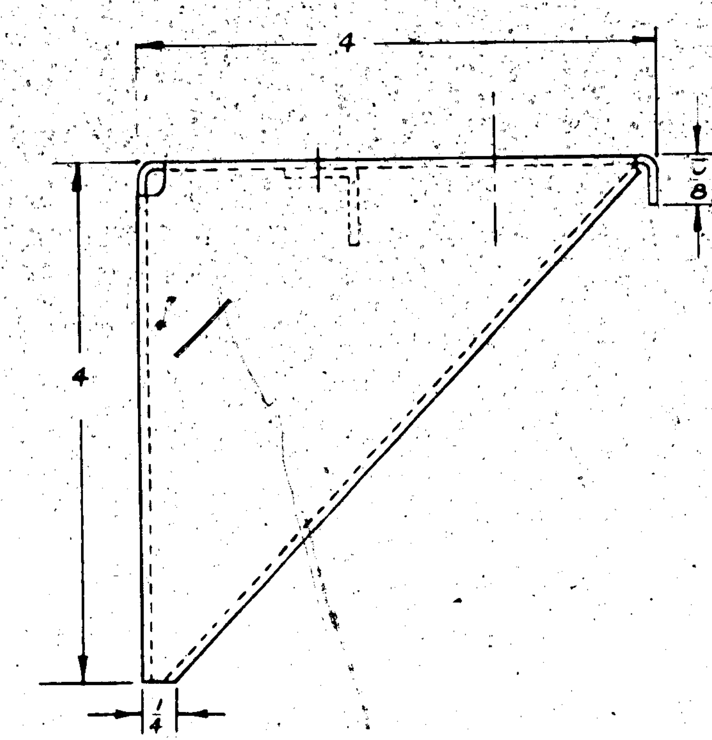
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				J	TRACED NO WT CHG	10-1-43	WOLFE





TYPICAL SEC. OF LIGHTENING HOLES: BLANK 1/2 DIA. HOLE BEFORE FORMING.





NOTE:-
MAT. FOR -3 MAY BE: Y-2-A11T X13. OR K6240X13. SPEC. 46A9-T

FINISH CODE	
Z	ANODIC TREATMENT
P	P.27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

ASSY DASH NO	MODEL	NEXT ASSY	REQ	
	PBY-5B	28F2012	2	
	PBY-5A	28F2012	2	AN442-04
	PBY-5	28F2012	2	
	PBY-4	28F2012		
	PBY-2&3	28F2012	2EA	
	PBY-1	28A007		
	XP3Y-1	28A007	2	

REQUIREMENTS PER AIRPLANE

REPLACES 28F111 OF 2-23-37 — .330 CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± — SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
-3	NOTED	NOTED	NOTED	1				
-2	.030x22 3/4x5 1/8	AL AL	QQ-A-355	1				

PARTS LIST PER ASSY.

A C		G.A.W.	ANDERSON			L.E.W.	
NAVY —	ZP - G.P.	5-4-36	3-24-37			12-23-36	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME BRACKET - FURNISHINGS FLOAT LIGHT (3 LIGHTS)

OPP. HAND — DWG. SIZE G — 28F111

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

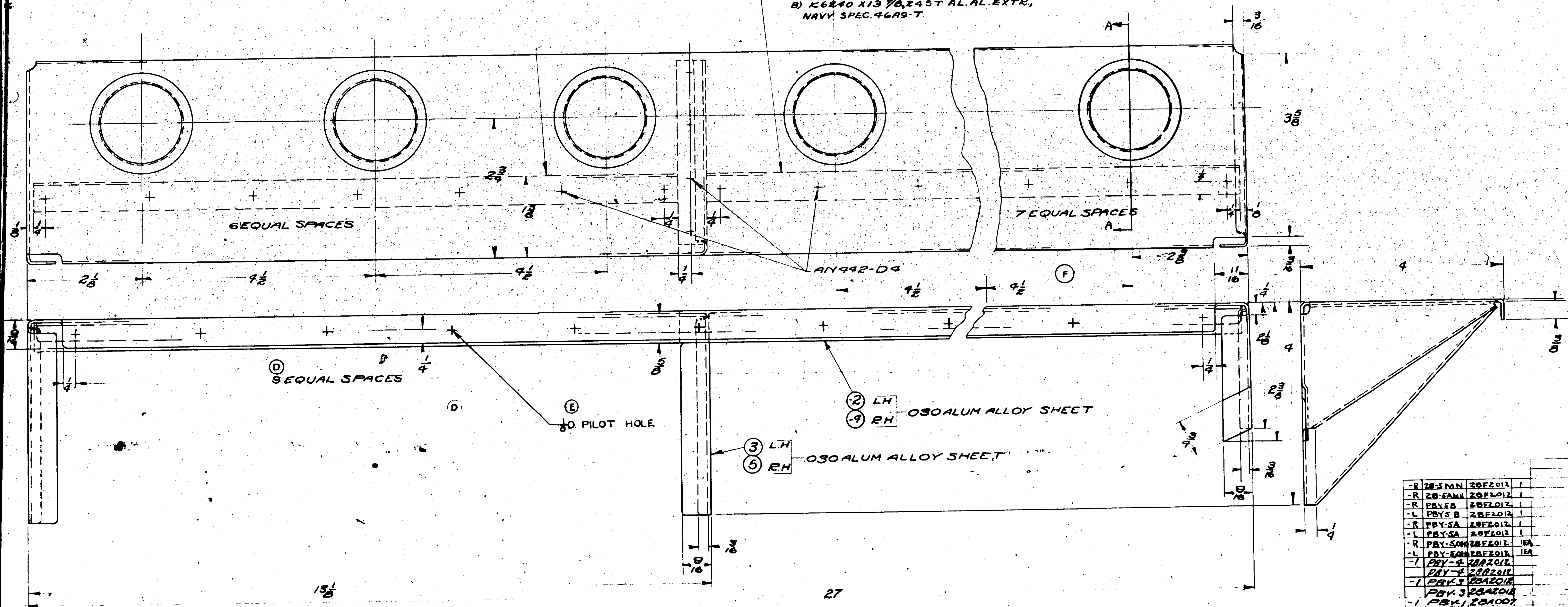
28F111

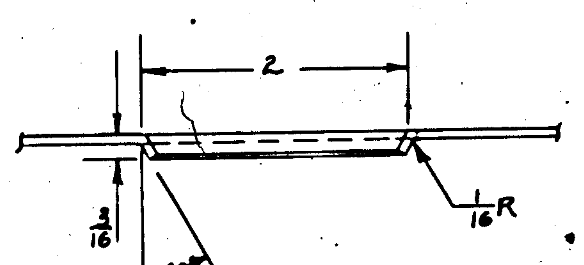
EOC. #40659

LET	ALTERATION	DATE	BY
C	TRACED	5-5-37	[illegible]
D	"9 EQUAL SPCS" WAS "14 EQUAL SPACES". #18 (.169) WAS 1/8 DRILL NO WT. CHG.	4-14-42	[illegible]
E	1/8 D PILOT HOLE WAS #18 (.169) ON FACE OF DRWG. 9 SPACES WAS 12. NO WT. CHG.	6/8/42	[illegible]
F	REMOVED 3M003-8 & ADDED SEC A-A. ADDED NOTE "BLANK 1/2 D ---- BEAD." NO WT CHG	6/19/42	[illegible]
G	REMOVED MAT'L NOTE FOR -6 & -7 "9/16 X 9/16 X .040 ALUM. ALLOY ANGLE. ADDED MAT'L NOTES #1 & #2 TO FACE. WT. CHG. NEG	3-29-43	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION

MATERIAL NOTES: (G)
1 MATERIAL FOR -6 MAY BE:
A) Y-Z-A11T X 12 9/16, OR
B) K6240 X 12 9/16, 24ST AL. AL. EXTR., NAVY SPEC. 46A9-T.
2. MATERIAL FOR -7 MAY BE:
A) Y-Z-A11T X 13 7/8, OR
B) K6240 X 13 7/8, 24ST AL. AL. EXTR, NAVY SPEC. 46A9-T.





(F) SECT. A-A (ROTATED)

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

28F112 L.H. SHOWN
28F112-1 R.H. OPPOSITE

ALL ALUM ALLOY SHEET SPEC 47A10 (COND A) ALLOY 24A EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC. (COND. T) ALLOY 24T EXCEPT AS NOTED
H.T. ALL COND. A MATERIAL PER SPEC SR53
RIVETS AL ALLOY EXCEPT AS NOTED
(F) BLANK 1/2 D. HOLE BEFORE FORMING BEADS

REQUIREMENTS PER AIRPLANE

O.H.	MODEL	NEXT ASSY	REQ.
-R	28-5MN	28F2012	1
-R	28-5AMN	28F2012	1
-R	PBY5B	28F2012	1
-L	PBY5 B	28F2012	1
-R	PBY-5A	28F2012	1
-L	PBY-5A	28F2012	1
-R	PBY-5AM	28F2012	1EA
-L	PBY-5AM	28F2012	1EA
-1	PBY-4	28A2012	
	PBY-4	28A2012	
-1	PBY-3	28A2012	
	PBY-3	28A2012	
-1	PBY-1	28A007	
	PBY-1	28A007	
-1	PBY-2	28A2012	
	PBY-2	28A2012	
-1	XP3Y-1	28A007	
	XP3Y-1	28A007	

PARTS LIST PER ASSY.

PARTS
-7
-6
-5
28F112-4
28F112-3
28F112-2
AN442-D4

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64

APPROVED: [illegible] DATE: 5-5-37
CALC. WT.: .620
ACT. WT.:
SCALE 12" = 1'-0"
AC
NAVY
MATERIAL: NOTED
SPEC.: NOTED
HEAT TREAT: NOTED
FINISH: Z-3 [illegible]
DRAFT: G.A.W. 5-4-37
CHECK: [illegible] 6-6-37
EXAM.
ENG.

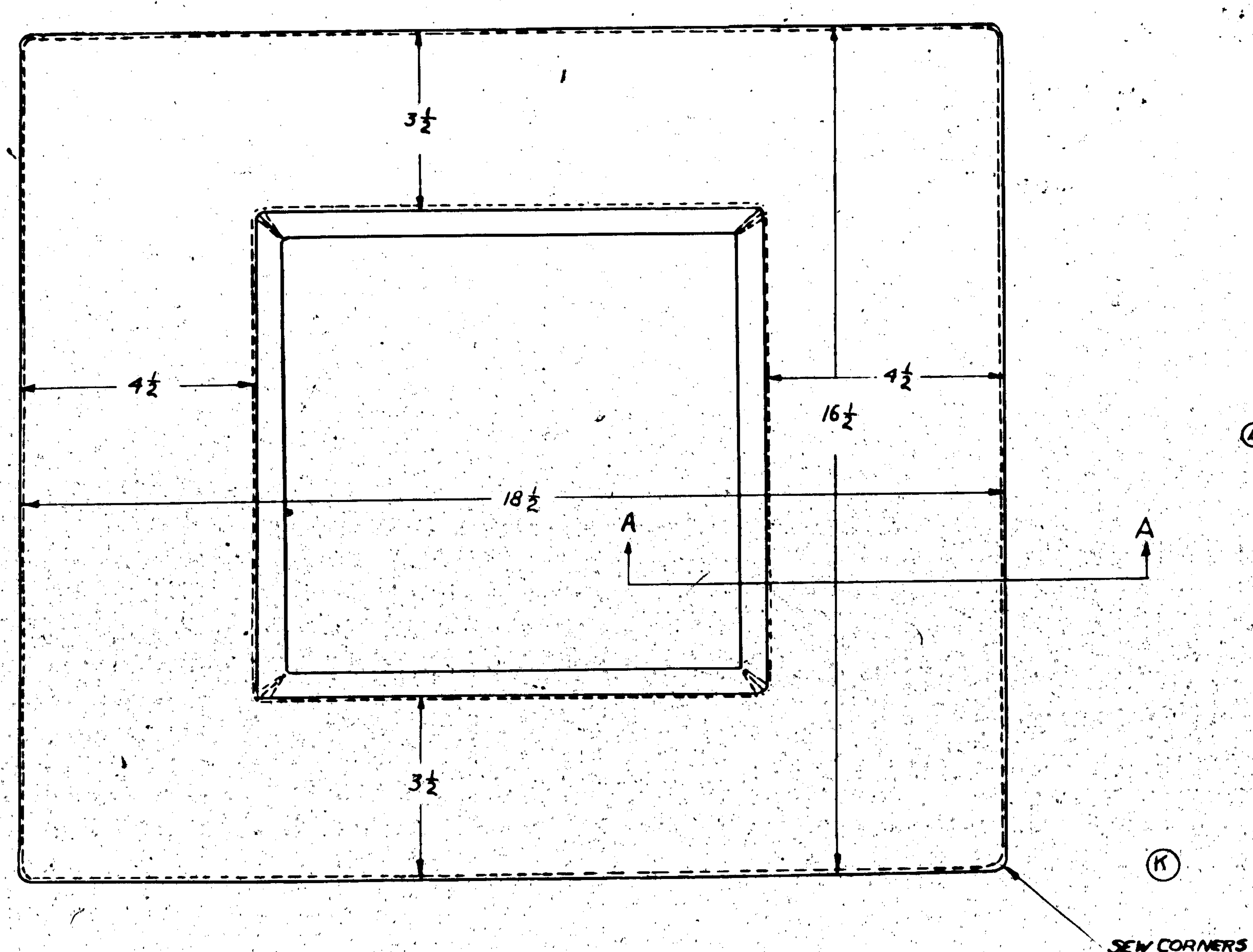
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

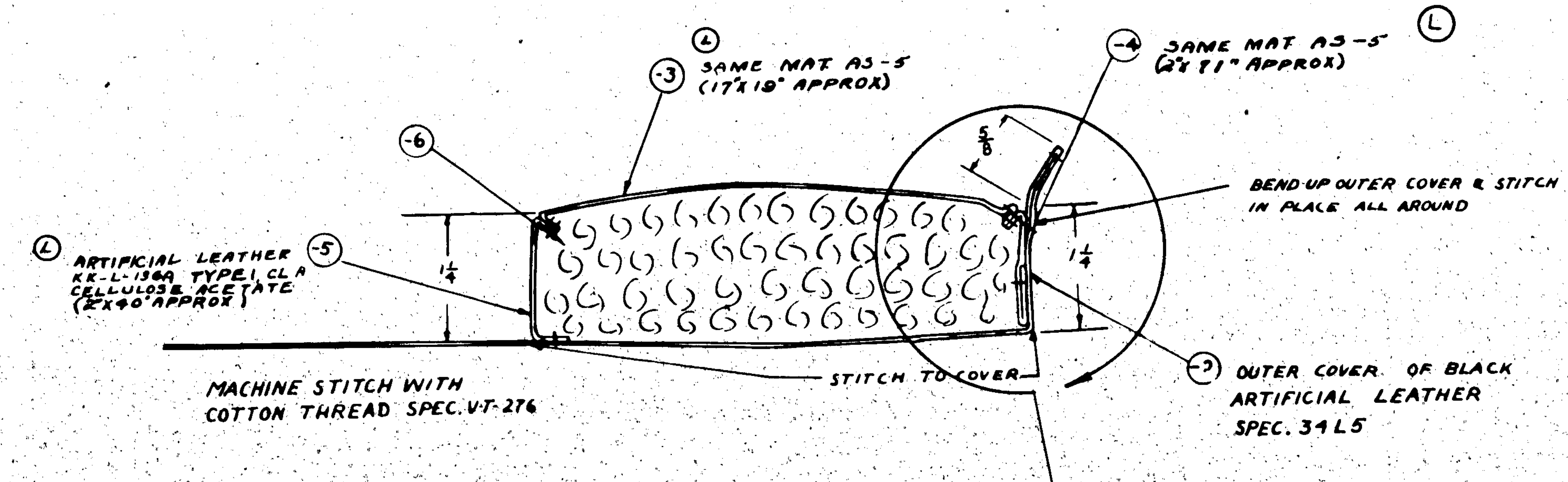
NAME: BRACKET FURNISHINGS-FLOAT LIGHT (6 LIGHTS)

OPP. HAND 28F112-1

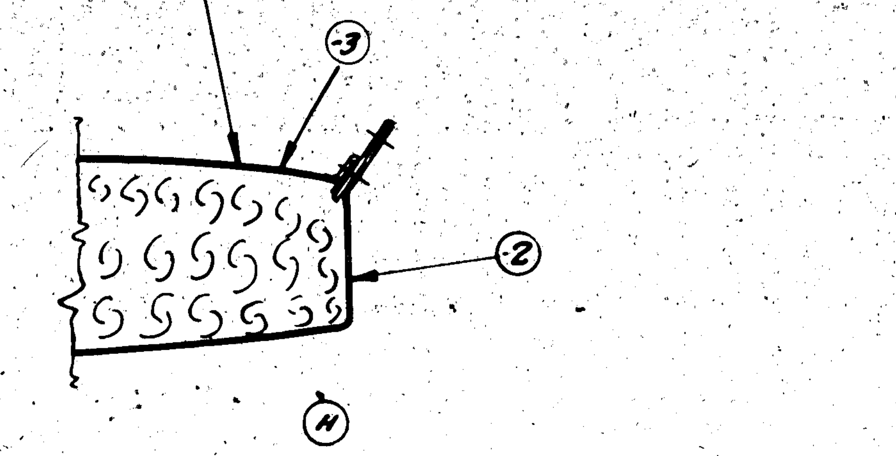
DWG G 28F112

LET	ALTERATION	DATE	BY
	SUPPLIES & EQUIPMENT CLASSIFICATION		
D	TRACED TO DATE	6-5-37	[illegible]
E	REMOVED PBY-2 REQ. ON #26 & ON	[illegible]	
F	REMOVED PBY-3 REQ.		RKW
G	ADDED PBY-2 REQ ON #26 & ON &		
	PBY-3 REQTS	7-26-37	McVicker
H	REMOVED - 4 REQMTS FROM	10-8-37	[illegible]
	B/M ON PBY-2 & PBY-3		
	ADDED DETAIL OF EDGING FOR		
	PBY-2 & PBY-3	10-8-37	[illegible]
J	SHIPS #1 TO 23 WAS #1 TO 25 INCL		
	SHIPS #24 ON WAS #26 ON	11-2-37	[illegible]
K	REMOVED FLAPS FROM		
	PLAN VIEW & ADDED		
	PBY5 REQ.	2/23/40	DAL
L	ARTIFICIAL LEATHER KK-L-136A		
	TYPE I, CL A, CELLULOSE ACETATE"		
	WAS WATERPROOF DUCK.		
	NEG. WT. CHG.	7-21-42	[illegible]
M	ON FACE, FOR -6, REMOVED "KAPOK, SPEC. 27K1"		
	ADDED NOTE #1. NO WT. CHG	9-30-43	[illegible]



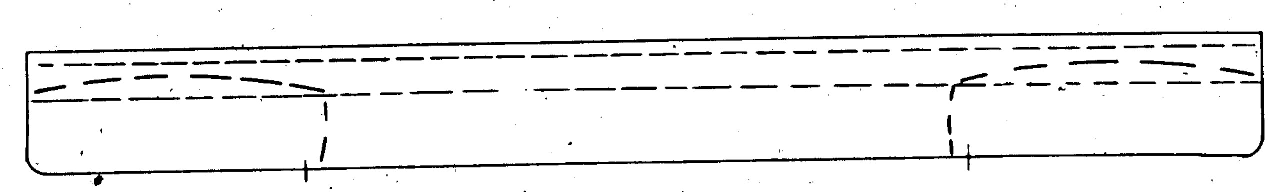


SECTION A-A
SCALE: 12"=1'-0"



DETAIL OF EDGE FOR PBY-2, PBY-3, PBY-4, & PBY-5
SCALE 12"=1'-0"

NOTES-
(M) 1- MAT'L FOR -6 MAY BE-
(A) S.A.E. F-13 FELT, SPEC. AN-F-14, TYPE F-13, OR
(B) KAPOK SALVAGED FROM SCRAP.



SHIPS #24 & ON → PBY-2
SHIPS #1-23 INCL → PBY-2

O.H.	MODEL	NEXT ASSY	REQ.	PARTS
	28-5MC, MN	28F134	1 EA.	
	28-5MA, ME	28F134	1 EA.	
	28-5AMC	28F5984	1	
	28-5AMN	28F5984	1	
	PBY-5B	28F134	1	
	PBY-6A	28F5984	1	
	PBY-5	28F134-20	1	
	PBY-4	28F134-20	1	
	PBY-3	28F134-20	1	28F175-6
	PBY-2	28F134-20	1	-5
	PBY-2	28F134	1	-4
	PBY-1	28F134	1	-3
	XPBY-1	28F134	1	-2

REQUIREMENTS PER AIRPLANE — MAT — PARTS LIST PER ASSY.

REPLACES		APPROVED: LCW — DATE: 5-5-37
REPLACED BY		CALC. WT. 3.65 SNA — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	$\pm\frac{1}{64}$	SCALE 6"=1'-0" & 12"=1'-0"

AC				DRAFT: 6-4-37 [illegible]
NAVY NOTED	NOTED	NONE	NONE	FLACKE 5-6-37
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT / CHECK / STAN / ENG

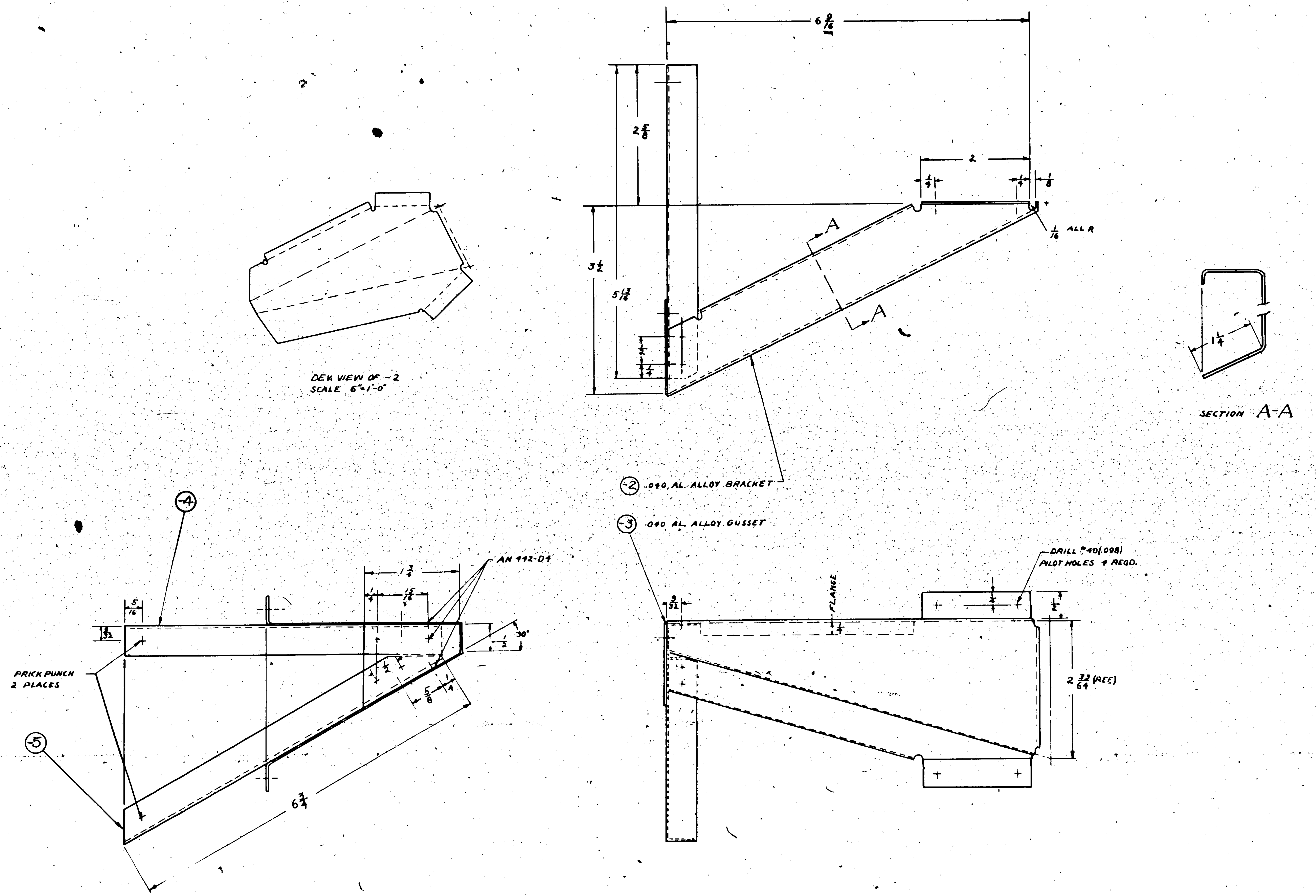
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: PAD (FURNGS) MECHANICS SEAT BUMPER

OPP HAND

DWG. SIZE G — 28F175

R 28F175



MATERIAL NOTE:

1. MATERIAL FOR -4 MAY BE:
   A. Y-2-A11T X 5 15/16, OR
   B. K6240 X 5 15/16, 24ST AL. AL. EXTR., NAVY SPEC. 46A9-T.
2. MATERIAL FOR -5 MAY BE:
   A. Y-2-A11T X 6 7/8, OR
   B. K6240 X 6 7/8, 24ST AL. AL. EXTR., NAVY SPEC. 46A9-T.

(D)

ALL AL. ALLOY SHEET SPEC. 47A10 (COND A) ALLOY 24A EXC'T. AS NOTED
ALL AL. ALLOY EXTRUSIONS. " " (COND T) " 24T "
HEAT TREAT ALL CONDITION A MATERIAL PER SPEC. SR53.
RIVETS AL. ALLOY EXCEPT AS NOTED

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
C	TRACED TO DATE	5-5-37	[illegible]
D	ON FACE OF DWG. REMOVED NOTES FOR -4 " 5/16 X 5/16 X .040 PLAIN ANGLE 5 15/16 LG. ALCOA K6240." & -5 " 5/16 X 5/16 X .040 PLAIN ANGLE 6 3/4 LG., ALCOA K6240." ADDED MAT'L NOTES #1 & #2 TO FACE. DEP'T RELEASES UP TO DATE. [illegible]	[illegible]	[illegible]

MODEL	NEXT ASSY	REQ.
PBY-5	28F177	1
OA-10	28F177	1
[illegible]	28F177	1EA
28-5MA-5AM	28F177	1EA
28-5MA-5M	28F177	1EA
PBY-5A & B	28F177	1EA
PBY-4	28F177	
PBY-3	28F177	
PBY-2	28F177	
PBY-1	28F177	
XP3Y-1	28F177	

FINISH CODE: Z, P, AP, C

STD PARTS	XP3Y-1	PBY-1	PBY-2	PBY-3
-5	1	1	1	1
-4	1	1	1	1
-3	1	1	1	1
28F176 -2	1	1	1	1
AN442-D4	8	8	8	8

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + −

APPROVED [illegible] DATE 5-5-37
CALC. WT. .21 LBS. ACT. WT.
SCALE 12" = 1'-0"
AC 1

NAVY	NOTED	NOTED	NOTED	2P2 [illegible]
	MATERIAL	SPEC.	HEAT TREAT	FINISH

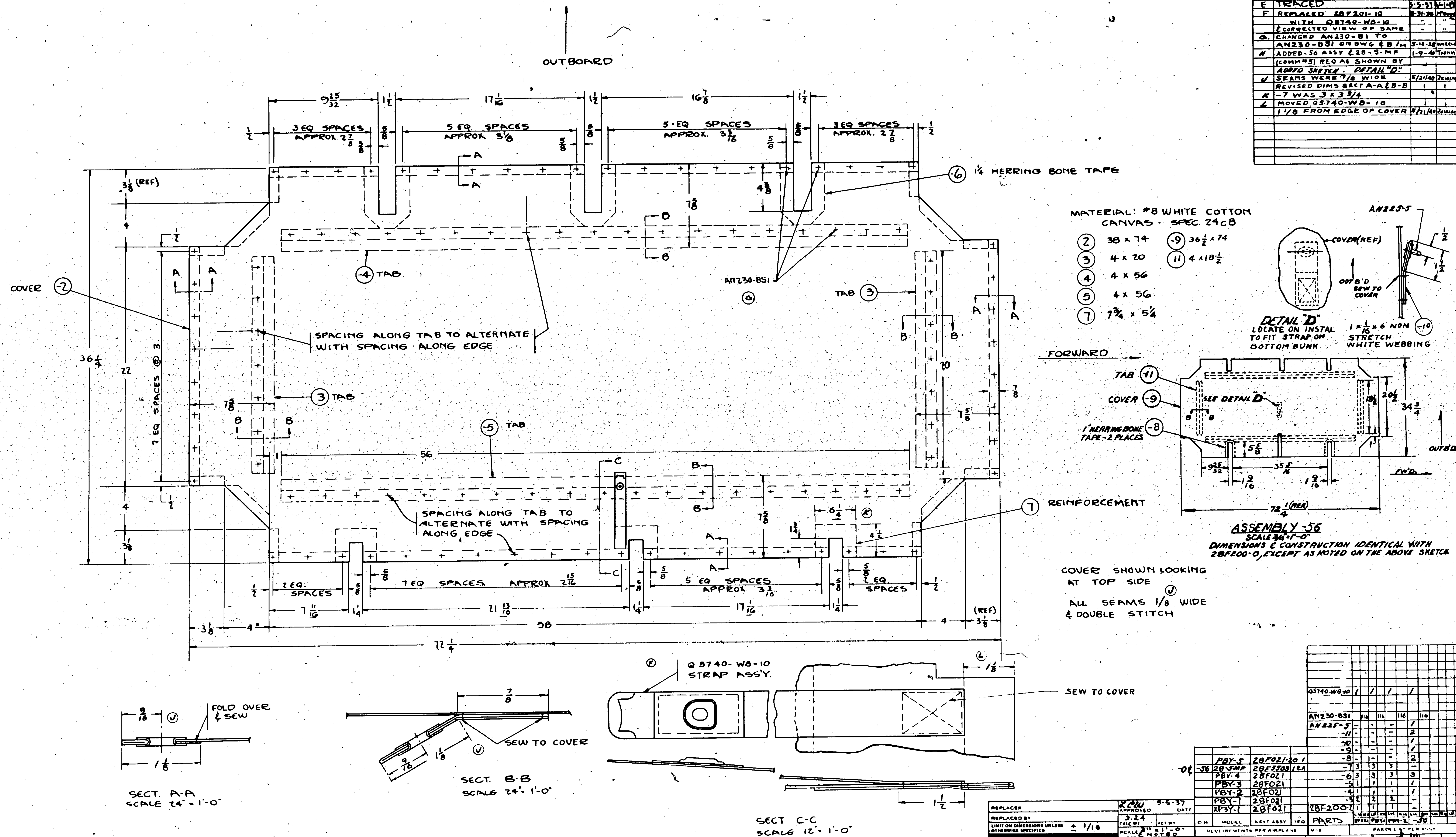
DRAFT: 5-5-37 [illegible] — CHECK: WHITNEY 5-7-37 — EXAM — ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO N.Y.
STAMP PT. No. WHERE SHOWN

NAME: FOOT REST FURNISHINGS MECHANICS

OPP HAND

DWG. SIZE G — 28F176



SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
E	TRACED	5-5-37	V-I-O
F	REPLACED 28F201-10	8-31-38	McD
	WITH Q5740-W8-10	"	"
	& CORRECTED VIEW OF SAME	"	"
G.	CHANGED AN230-B1 TO		
	AN230-BS1 ON DWG & B/M	5-12-38	WHEELER
H	ADDED -56 ASSY & 28-5-MF	1-9-40	THOMAS
	(COMM #5) REQ AS SHOWN BY		
	ADDED SKETCH. DETAIL "D".		
J	SEAMS WERE 7/8 WIDE	5/21/40	ZEIGLER
	REVISED DIMS SECT A-A & B-B		
K	-7 WAS 3 x 3 3/4		
L	MOVED Q5740-W8-10		
	1 1/8 FROM EDGE OF COVER	5/21/40	ZEIGLER

PARTS	XP3Y-1	PBY-1	PBY-2	-56
Q5740-W8-10	1	1	1	1
AN230-BS1	116	116	116	116
AN225-5	-	-	-	1
-11	-	-	-	2
-10	-	-	-	1
-9	-	-	-	1
-8	-	-	-	2
-7	3	3	3	-
-6	3	3	3	3
-5	1	1	1	1
-4	1	1	1	1
-3	2	2	2	-
28F200-2	1	1	1	-

ON	MODEL	NEXT ASSY	REQ
	PBY-5	28F021-20	1
-56	28-5MF	28F5503	1 EA
	PBY-4	28F021	
	PBY-3	28F021	
	PBY-2	28F021	
	PBY-1	28F021	
	XP3Y-1	28F021	

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16

APPROVED: LCW — DATE: 5-5-37
CALC WT: 3.24 — ACT WT
SCALE: 3" = 1'-0" & NOTED
AC
NAVY: NOTED

MATERIAL	SPEC	HEAT TREAT	FINISH
NOTED	NOTED	NONE	NONE

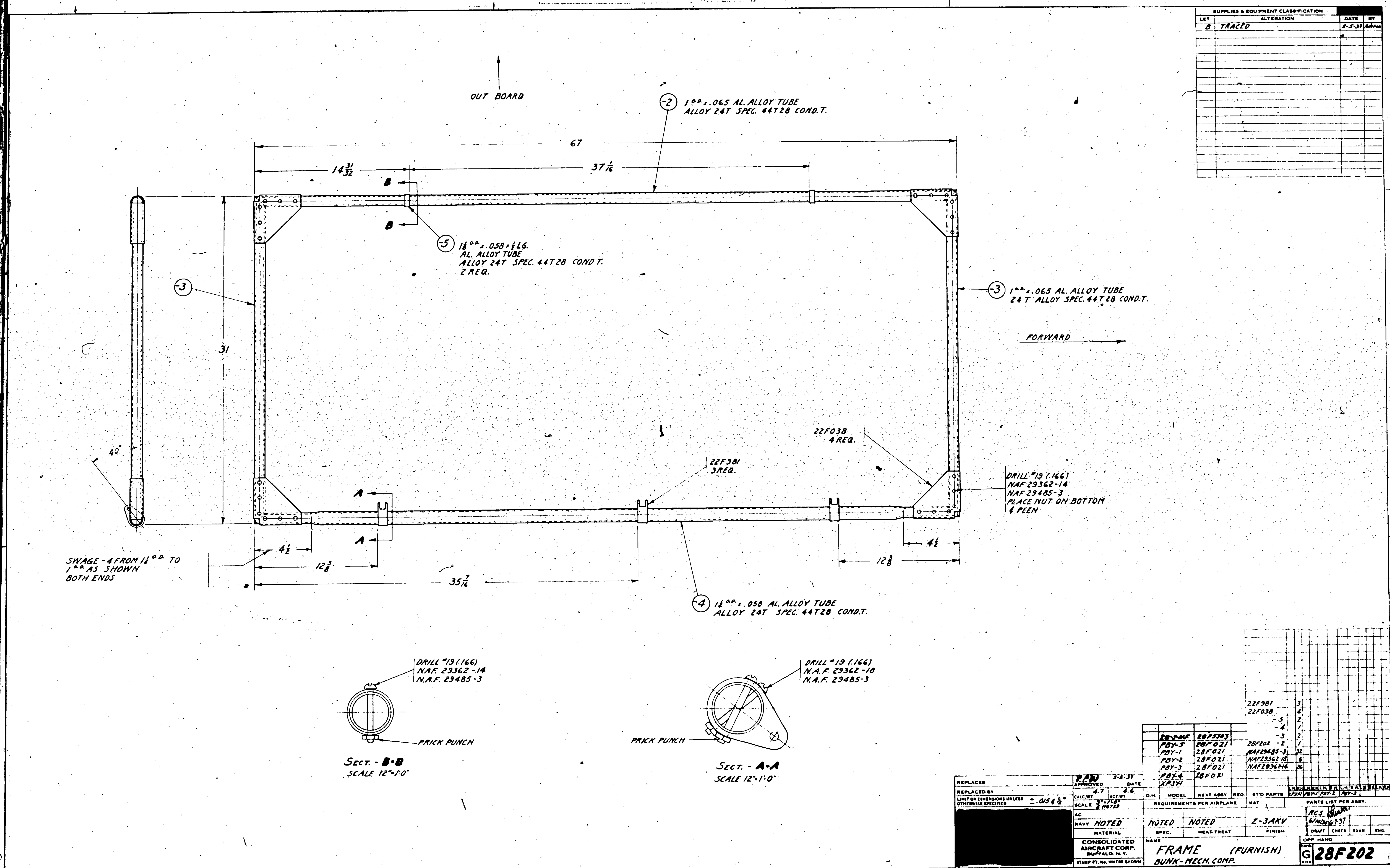
DRAFT	CHECK	ELAM	ENG
RCS 6-14	6-2-37	MILLER	

CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
STAMP PT. No. WHERE SHOWN

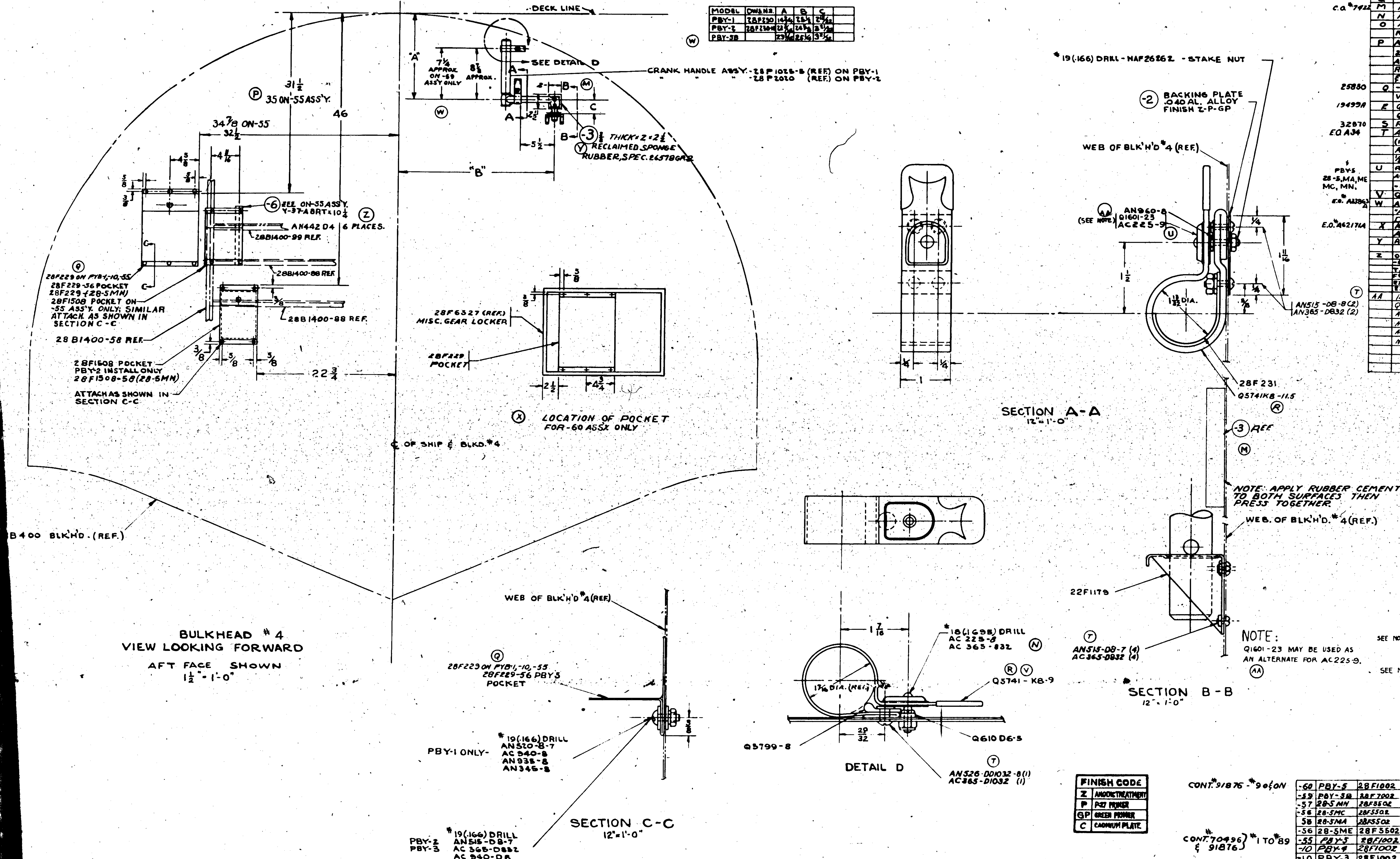
NAME: COVER (FURNISH.) BUNK - MECH. COMP.

SIZE G — 28F200

28F200R



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 5-5-37
OUT BOARD
-2 1 O.D. x .065 AL. ALLOY TUBE ALLOY 24T SPEC. 44T28 COND.T.
67
14 3/32
37 1/16
B
B
-5 1 1/8 O.D. x .058 x 1/2 LG. AL. ALLOY TUBE ALLOY 24T SPEC. 44T28 COND T. 2 REQ.
-3
31
-3 1 O.D. x .065 AL. ALLOY TUBE 24 T ALLOY SPEC. 44T28 COND.T.
FORWARD
40°
22F038 4 REQ.
22F981 3REQ.
A
A
DRILL #19 (.166) NAF 29362-14 NAF 29485-3 PLACE NUT ON BOTTOM & PEEN
4 1/2
12 3/8
35 7/16
4 1/2
12 3/8
SWAGE -4 FROM 1 1/8 O.D. TO 1 O.D. AS SHOWN BOTH ENDS
-4 1 1/8 O.D. x .058 AL. ALLOY TUBE ALLOY 24T SPEC. 44T28 COND.T.
DRILL #19 (.166) N.A.F. 29362-14 N.A.F. 29485-3
PRICK PUNCH
SECT. - B-B
SCALE 12"=1'0"
DRILL #19 (.166) N.A.F. 29362-18 N.A.F. 29485-3
PRICK PUNCH
SECT. - A-A
SCALE 12"=1'-0"
22F981 3
22F038 4
-5 2
-4 1
-3 2
28F202 -2 1
NAF29485-3 32
NAF29362-18 6
NAF29362-14 26
28-5-MF 28F5503
PBY-5 28F021
PBY-1 28F021
PBY-2 28F021
PBY-3 28F021
PBY-4 28F021
XP3Y1
O.H. MODEL NEXT ASSY REQ.
REQUIREMENTS PER AIRPLANE
ST'D PARTS XP3Y1 PBY-1 PBY-2 PBY-3
MAT.
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 & 1/2°
APPROVED 5-5-37 DATE
CALC.WT. 4.7 ACT.WT. 4.6
SCALE 3"=1'0" & NOTED
AC
NAVY NOTED
MATERIAL
NOTED SPEC.
NOTED HEAT TREAT
Z-3AKV FINISH
RCS WMcM 6-7-37
DRAFT CHECK EXAM ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FRAME (FURNISH) BUNK-MECH. COMP.
DWG SIZE G 28F202



MODEL	DWG NO.	A	B	C
PBY-1	28F230			
PBY-2	28F2304			
PBY-5B				

LET	ALTERATION	DATE	BY
L	TRACED UP TO DATE	7-6-37	
M	ADDED -3 SPONGE RUBBER PAD	6-22-38	
N	AC225-8 WAS AC225-9	-	-
O	ADDED -56 ASS'Y. & 28-5-MF REQ. RELOCATING 28F229 & 28F1508.	2-2-40	
P	ADDED -55 ASS'Y. ON WHICH 28F229 & 28F1508 ARE RELOCATED AND -6 ADDED. -55 ASS'Y REPLACES -10 ASS'Y. FOR PBY-5 & 28-5-ME.	5-23-40	
Q	-56 ASSEM. CREATED - 28F229-56 WAS 28F229	11-5-40	
R	Q5740-K8-9 WAS 28F1563	11-5-40	"
	Q5741-K8-11.5 WAS 22H661	"	"
S	REQ. FOR 28-5MN ADDED	2-3-40	WATZ
T	ADDED TO DWG. & B.M. AN526-DD1032-8 (1), AN515-D8-8(2), AN515-D8-7(4) AN365-D1032(1) AN365-D832(6) WAS 1/2 DRILL FOR AN442-D4	4-12-41	PRELUTSKY
U	AC225-9 ADDED TO FACE OF DWG. AC225-8 CHG'D TO AC225-9 IN B/M. IN -55 -56 & -57 ASSY'S AC225-9 WAS (1) CHG'D TO (2)	4-28-41	BLAY
V	Q5741-K8-9 WAS Q5740-K8-9	8-27-41	
W	ADDED -59 ASS'Y ON WHICH 7 1/4 "APPROX." DIM. REPLACES 8 1/2 "APPROX." DIM. NO WT. CHG.	9-9-42	PRITCHARD
X	ADDED -60 ASSY & VIEW FOR -60 ASSY. - NO WT. CHG.	10-31-42	HINES
Y	ADDED NOTE "3/8 THICK.....GR.B." WT. CHG. NEG.	11-2-42	MORENO
Z	ON FACE OF DWG. REPLACED NOTE FOR -6 "K9048 AL. AL. EX., SPEC. 46A9 COND. T, 10 1/4 LONG" WITH "Y-37-A8RT × 10 1/4" FROM GEN. NOTES REMOVED "ALL AL. EXT. SPEC. 46A9 (COND. T) ALLOY 24T EXCEPT AS NOTED. (WT. CHG. NEG.)		
AA	IN B/M, ADDED "Q1601-23" AT AC225-9 & Q1601-23, ADDED "SEE NOTE" ON FACE, AT AC225-9, ADDED "Q1601-23" & "SEE NOTE". ADDED NOTE: "Q1601-23 MAY BE USED AS AN ALTERNATE FOR AC225-9". NO WT. CHG.	9-23-43	HOOK

Left margin notes: C.O. #7422 (M); 25880 (Q); 19499A (R); 32870 (S); E.O. A34 (T); PBY-5, 28-5, MA, ME, MC, MN. (U); E.O. #A23863A (W); E.O. #A62176A (X)

O.H.	MODEL	NEXT ASSY	REQ	PARTS	PBY-1	-10	-55	-60	-56	-57	-59
				AN526-DD1032-8			1	1	1	1	1
				AN515-D8-8			2		2	2	2
				AC365-D1032			1	1	1	1	1
				AC365-D832			6	6	6	6	6
				Q1601-23 (SEE NOTE)	1	1	2	2	2	2	2
				28F1508-58						1	
				28F229-56					1		
				AC365-832	1	1	1	1	1	1	1
				AC225-9 (SEE NOTE)	1	1	2	2	2	2	2
				AN442-D6	2	2	2	2	2	1	2
				NAF86262	1	1	1	1	1	1	1
				AN960-8	1	1	1	1	1	1	1
				AN960-4	2	2	2	2	2	1	2
				AC940-8	12	-	-	-	-	1	-
				AN935-8	6	-	-	-	-	1	-
				AN520-8-7	6	-	-	-	-	1	-
				AN442-D4	10	10	10	10	10	1	10
				AN345-8	6	-	-	-	-	1	-
				AC940-D8		10	10	10	10	1	10
				AC365-D832		10	10	10	10	1	10
				AN515-D8-7		10	14	14	14	5	14
-60	PBY-5	28F1002		Q5799-8	1	1	1	1	1	1	1
-59	PBY-5B	28F7002		Q61006-4	1	1	1	1	1	1	1
-57	28-5MN	28F5502		28F230-6	-	-	1	1	1	1	1
-56	28-5MC	28F5502		28F230-3	1	1	1	1	1	1	1
58	28-5MA	28F5502		28F1508		1	1	1	1		1
-56	28-5ME	28F5502		Q5741-K8-9	1	1	1	1	1	1	1
-55	PBY-5	28F1002		28F231	1	1	1	1	1	1	1
-10	PBY-4	28F1002		28F230-2	1	1	1	1	1	1	1
-10	PBY-3	28F1002		28F229	1	1	1	1		1	1
-10	PBY-2	28F1002		Q5741K8-11.5	1	1	1	1	1	1	1
	PBY-1	28F1002		22F1179	1	1	1	1	1	1	1
REQUIREMENTS PER AIRPLANE				MAT	PARTS LIST PER ASSY.						

CONT. #91876 - #90 & ON

CONT. 70496 & 91876 } #1 TO #89

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

ALL AL. ALLOY SHEET SPEC. 47A10 (CONDITION T) ALLOY 24T EXCEPT AS NOTED

HEAT TREAT ALL CONDITION A MATERIAL PER SPEC. SR53

RIVETS AL. ALLOY EXCEPT AS NOTED. (Z)

REPLACES	APPROVED L.C.W.	DATE 7-6-37		
REPLACED BY	CALC WT. 1.57	ACT WT. 4.08		
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + −	SCALE 1 1/2" = 1'0" & 12" = 1'-0"			
	AC			
	NAVY NOTED	NOTED	NOTED	NOTED
	MATERIAL	SPEC.	HEAT TREAT	FINISH

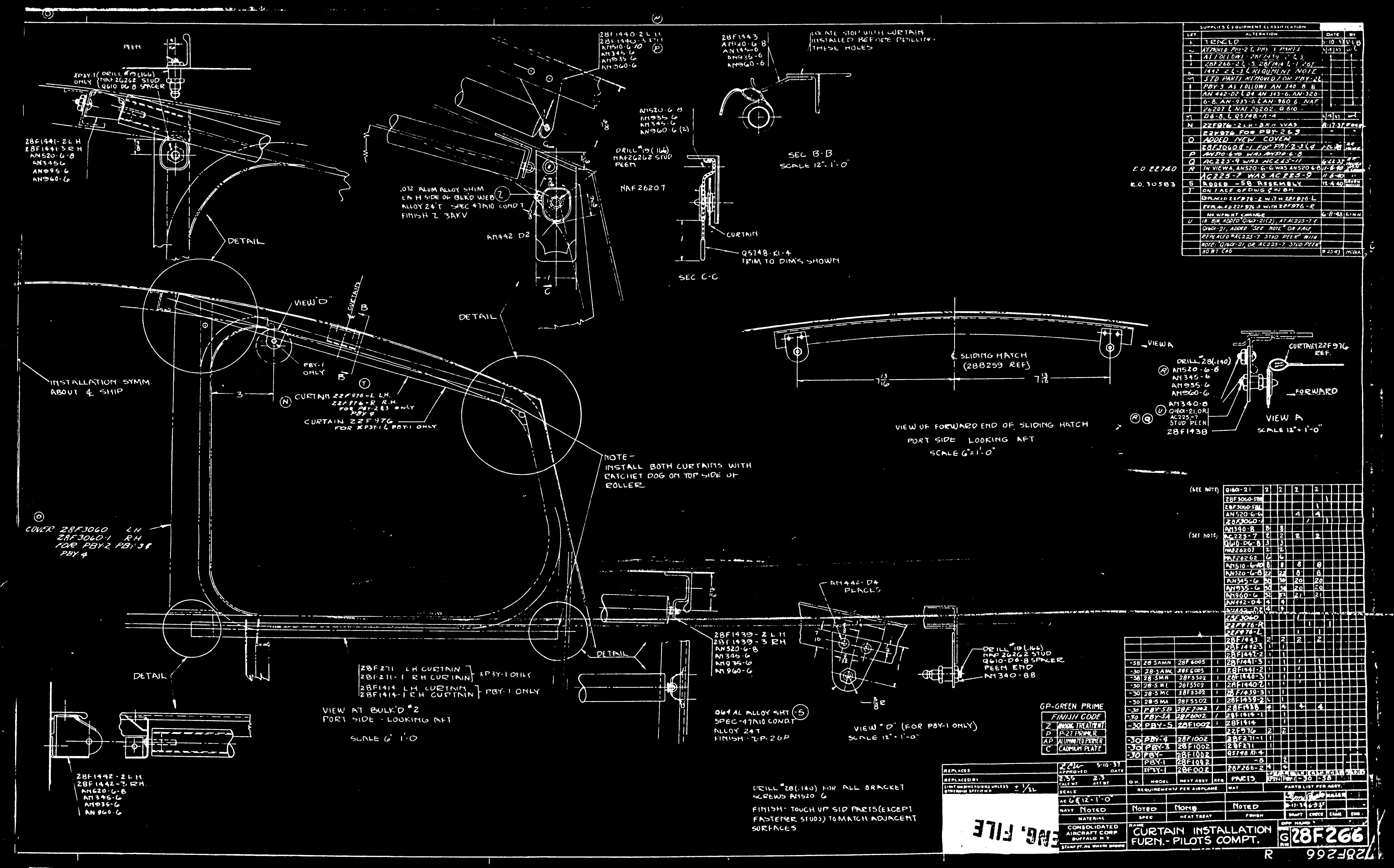
DRAFT	CHECK	EXAM	ENG
8-21-34			
PABRKY	7-27-37	MILLER	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. NO. WHERE SHOWN

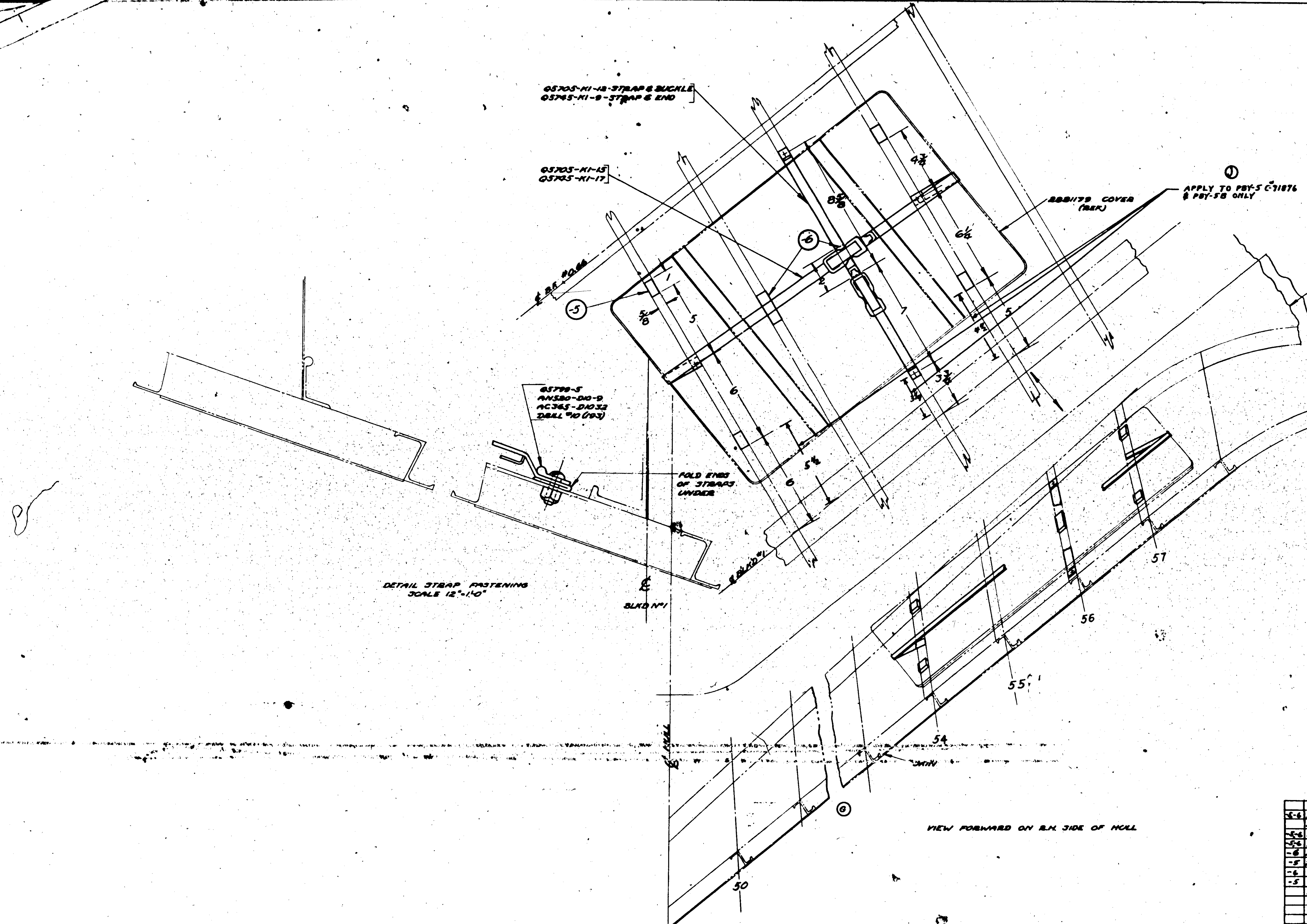
NAME: INSTALL- MAINTENANCE MANUAL & PILOTS HD. BK'S. POCKETS & STOWAGE FOR RETRACT. FLOATS & ANCHOR GEAR CRANK.

DWG. SIZE G — 28F230

R



VIEW AT BULK'D #2
PORT SIDE - LOOKING AFT
SCALE 6" 1'-0
SEC B-B
SCALE 12" 1'-0
SEC C-C
VIEW OF FORWARD END OF SLIDING HATCH
PORT SIDE LOOKING AFT
SCALE 6"=1'-0"
VIEW A
SCALE 12" 1'-0"
VIEW "D" (FOR PBY-1 ONLY)
SCALE 12" 1'-0"
DETAIL
NOTE - INSTALL BOTH CURTAINS WITH RATCHET DOG ON TOP SIDE OF ROLLER
INSTALLATION SYMM. ABOUT ℄ SHIP
LOCATE STOP WITH CURTAIN INSTALLED BEFORE DRILLING THESE HOLES
℄ SLIDING HATCH (28B259 REF)
CURTAIN 22F976 REF.
FORWARD
Q5748-K1-4 TRIM TO DIM'S SHOWN
.072 ALUM ALLOY SHIM L H SIDE OF BLKD WEB ALLOY 24 T SPEC 47A10 COND T FINISH Z 3AKV
.064 AL ALLOY SHT SPEC-47A10 COND T ALLOY 24 T FINISH - Z-P-26P
28F271 LH CURTAIN
28F271-1 RH CURTAIN XP3Y-1 ONLY
28F1414 LH CURTAIN
28F1414-1 RH CURTAIN PBY-1 ONLY
COVER 28F3060 LH
28F3060-1 RH
FOR PBY-2, PBY-3 & PBY-4
DRILL #28 (.140) FOR ALL BRACKET SCREWS AN520-6
FINISH - TOUCH UP STD PARTS (EXCEPT FASTENER STUDS) TO MATCH ADJACENT SURFACES
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P F-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
E.O. 22740
E.O. 30583
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
CURTAIN INSTALLATION
FURN. - PILOTS COMPT.
28F266
ENG. FILE



NOTE -5&-6 MADE FROM
⅜ RECLAIMED SPONGE RUBBER
SPEC. 26578, GRADE B.
ATTACH TO STRINGERS
WITH BOSTIC (#48A) (282G)
APPLY TO BOTH SURFACES
THEN PRESS TO-GETHER

	LET	ALTERATION	DATE	BY
	F	TRACED	5-8-37	
	G	MOVED INSTALLATION ONE STRINGER OUTBOARD	8-24-37	
E.O. 23[illegible]	H	REMOVED -5&-6 2 EACH [illegible] ON 28F5792 MODEL 28-5M.E.	[illegible]	
E-0A34037	J	ADDED DIMS [illegible]	6-[illegible]	
	K	IN NOTE FOR -5&-6 "⅜ RECLAIMED GR.B" WAS "⅜ SPONGE RUBBER, SPEC. COMM." WT. CHG. NEG.	10-12-42	H.HOLL

O.H.	MODEL	NEXT ASSY.	REQ.						
				AC365-D1032	4	4	4	4	4
-5-6	28-5AMC	28F5792	1 EA.	AN520-D10-9	4	4	4	4	4
	28-5MH	28F5502	1						
-5-6	28-5ME	28F5792	1 EA.						
-5,6	28-5MC	28F5792	1 EA.	Q5705-K1-17	1	1	1	1	1
-6	28-5MA	28F5792	1	Q5705-K1-15	1	1	1	1	1
-5	28-5MA	28F5792	1	Q5705-K1-9	1	1	1	1	1
-6	PBY-5B	28F5792	1	Q5705-K1-12	1	1	1	1	1
-5	PBY-5B	28F5792	1	Q5799-5	4	4	4	4	4
	PBY-5	28F1002	1						
	PBY-4	28F1002							
	PBY-3	28F1002							
	PBY-2	28F1002		-6	2	2	2	2	2
	PBY-1	28F1002		28F287-5	4	4	4	4	4
	XP3Y-1	28F002							
REQUIREMENTS PER AIRPLANE				MAT.	PARTS LIST PER ASSY.				

REPLACES 28F287 of 9-17-39
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±

APPROVED 5-8-37 DATE
.16 CALC.WT. | ACT.WT.
SCALE 4"=1'-0" & 12"=1'-0"
AC
NAVY NOTED — MATERIAL | NOTED — SPEC. | NOTED — HEAT TREAT | NOTED — FINISH

DRAFT 5-25-36 | CHECK 6-3-37 MILLER | EXAM. | ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

NAME: COVER STOWAGE FURNS. BOMBERS WINDOW

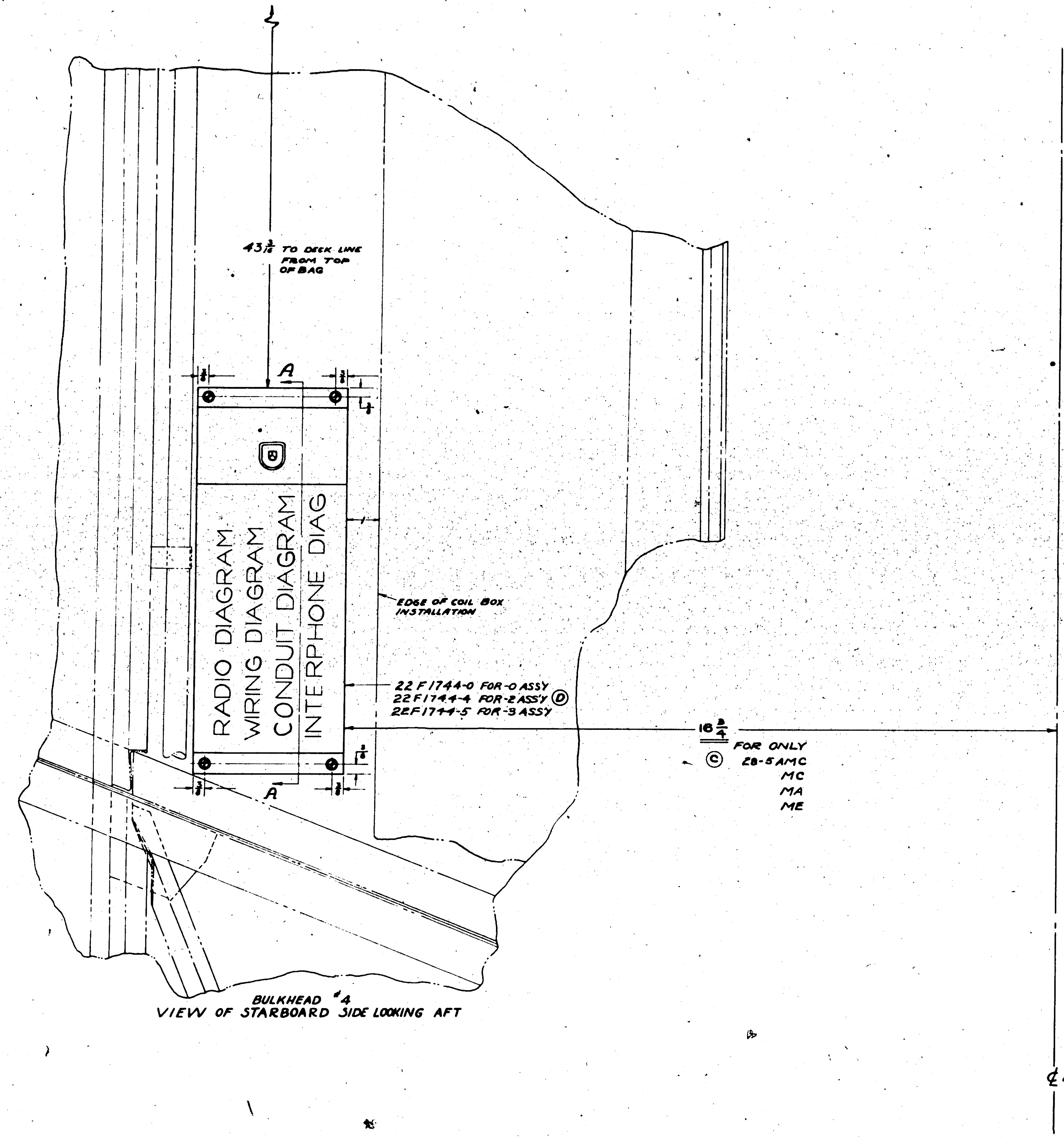
OPP. HAND

DWG SIZE G 28F287

LET	ALTERATION	DATE	BY
B	TRACED UP TO DATE	5-8-37	[illegible]
C	ADDED DIM. 16¾	5-20-41	[illegible]
D	CREATED -2 & -3 ASS'YS. [illegible]	5-18-42	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION

28-5-AMC, 28-5-MC, 28-5-MA, 28-5-ME } CO-A7613, EO#A396851



BULKHEAD #4
VIEW OF STARBOARD SIDE LOOKING AFT

SECTION A-A

	O.H.	MODEL	NEXT ASSY.	REQ.	PARTS	-0	-2	-3
#151 & ON	-2	PBY-5B	28F7002	1				
C#88476, #55 & ON	-2	PBY-5A	28F6002	1				
C#91876 #91 & ON	-2	PBY-5	28F1002	1				
	-3	28-5AMN	28F6005	1				
#1-150	-0	PBY-5B	28F7002	1				
	-0	28-5AMC	28F6005	1				
C#70496, 77713, 88476, 1-54	-0	PBY-5A	28F6002	1				
	-0	28-5ME,MA	28F5502	1				
	-0	28-5MC	28F5502	1	22F1744-5			1
C#70496 #91876, #1-90	-0	PBY-5	28F1002	1	22F1744-4		1	
	-0	PBY-4	28F1001	1	22F1744	1		
	-0	PBY-3	28F1001	1				
	-0	PBY-2	28F1001	1	AC365-D832	4	4	4
	-0	PBY-1	28F1001	1	AN960-D8	8	8	8
	-0	XP3Y-1	28F001	1	AN515-D6-8	4	4	4

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES 28F294 of 9-26-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32"

APPROVED [illegible] DATE 5-8-37
CALC.WT. .33 ACT.WT.
SCALE 12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	NOTED	NONE	NONE	NONE

DRAFT 9-26-34 — CHECK 5-8-37 — EXAM. — ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

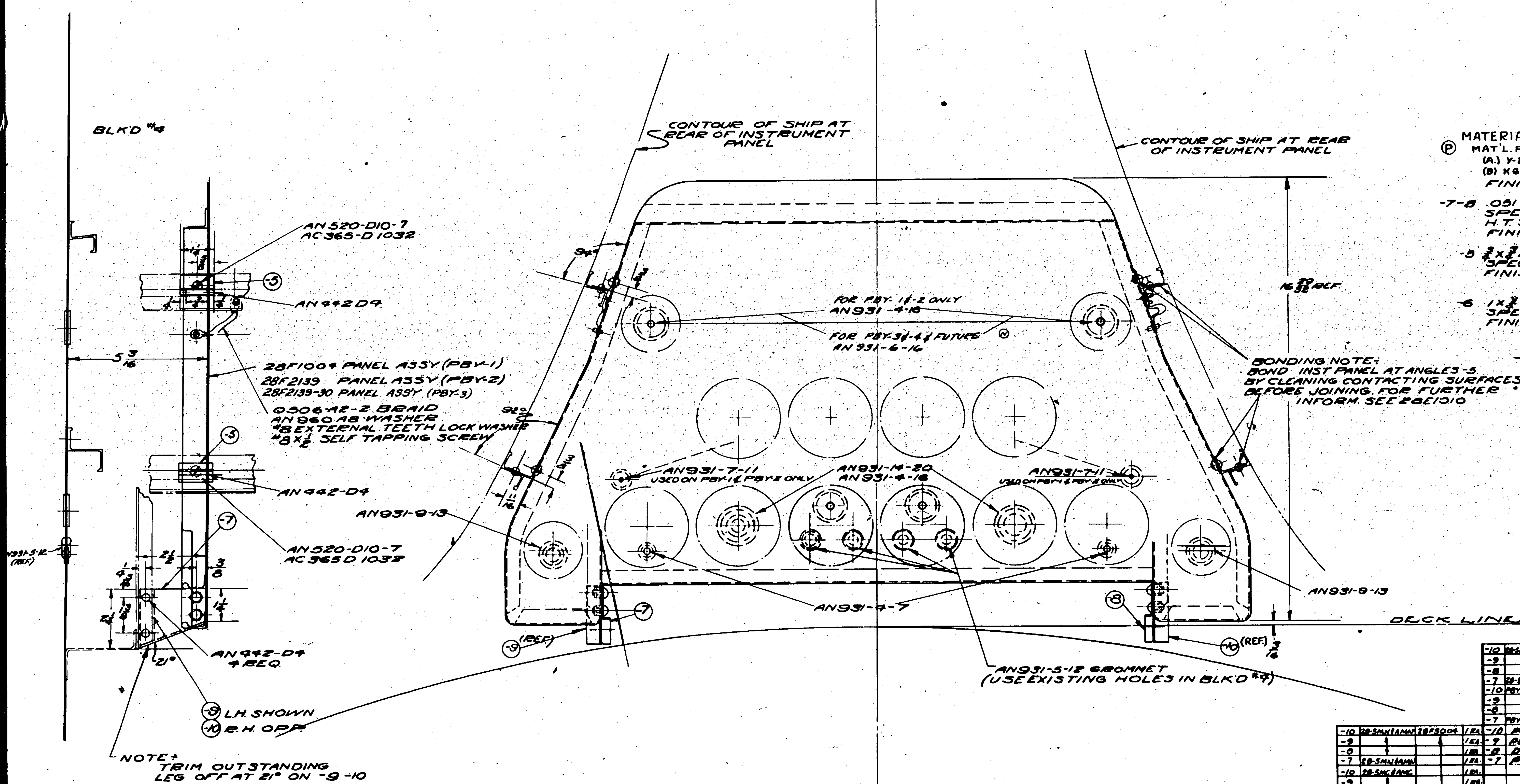
NAME: INSTALLATION - FURN. ELECTRICAL DIAG. POCKET

OPP. HAND —

G 28F294

LET	ALTERATION	DATE	
L	TRACED UP TO DATE	6-1-37	L.W.
M	ADDED -35 ASS'Y FOR COMM #2	10-8-37	
N	AN931-6-16 WAS AN931-4-16	4-8-38	
O	28F1015-8 (2) WAS 28F1015-6	11-6-40	
P	ON FACE, FOR -9 & -10, REPLACED "9/16 X 9/16 X .040 AL. AL. ANGLE, DIE # K6240, SPEC. 46A9-T" WITH MAT'L. NOTES. WT. CHG. NEG.	3-10-45	

C.O. 7070
E.O. 22670



MATERIAL NOTES-

Ⓟ MAT'L. FOR -9 & -10 MAY BE-
(A.) Y-2-A12T X 2 3/8, OR
(B) K6240 X 2 3/8, AL. AL EXTR., SPEC. QQ-A-354-T.
FINISH Z-P-2GP

-7-8 .051 AL ALLOY SHEET
SPEC. 47A10 COND. A (ALLOY 24A
H.T. SR53 COND. T
FINISH Z-P-2GP

-5 3/4 X 3/4 X 1/16 PLAIN ANGLE DIE # K-5401
SPEC. 46A9 COND. T (ALLOY 24T)
FINISH Z-P-2GP

-6 1 X 3/4 X .070 PLAIN ANGLE DIE # K1288
SPEC. 46A9 COND. T (ALLOY 24T)
FINISH Z-P-2GP

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP GREEN PRIME

NOTE: WRAP INSTR. TUBES WITH TAPE TO FILL GROMMETS IF NECESSARY.

MATERIAL NOTE: SELF-TAPPING SCREWS AND EXTERNAL TEETH LOCKWASHERS MAY BE PURCHASED FROM "SHAKEPROOF LOCKWASHER CO. CHICAGO, ILLINOIS."

DASH	MODEL	NEXT ASSY	REQ
-30	PBY-4	28F1002	
-35	COMM. #2	28F1002R	
-30	PBY-3	28F1002	
-25	PBY-2	28F1002	
-0	PBY-1	28F1002	

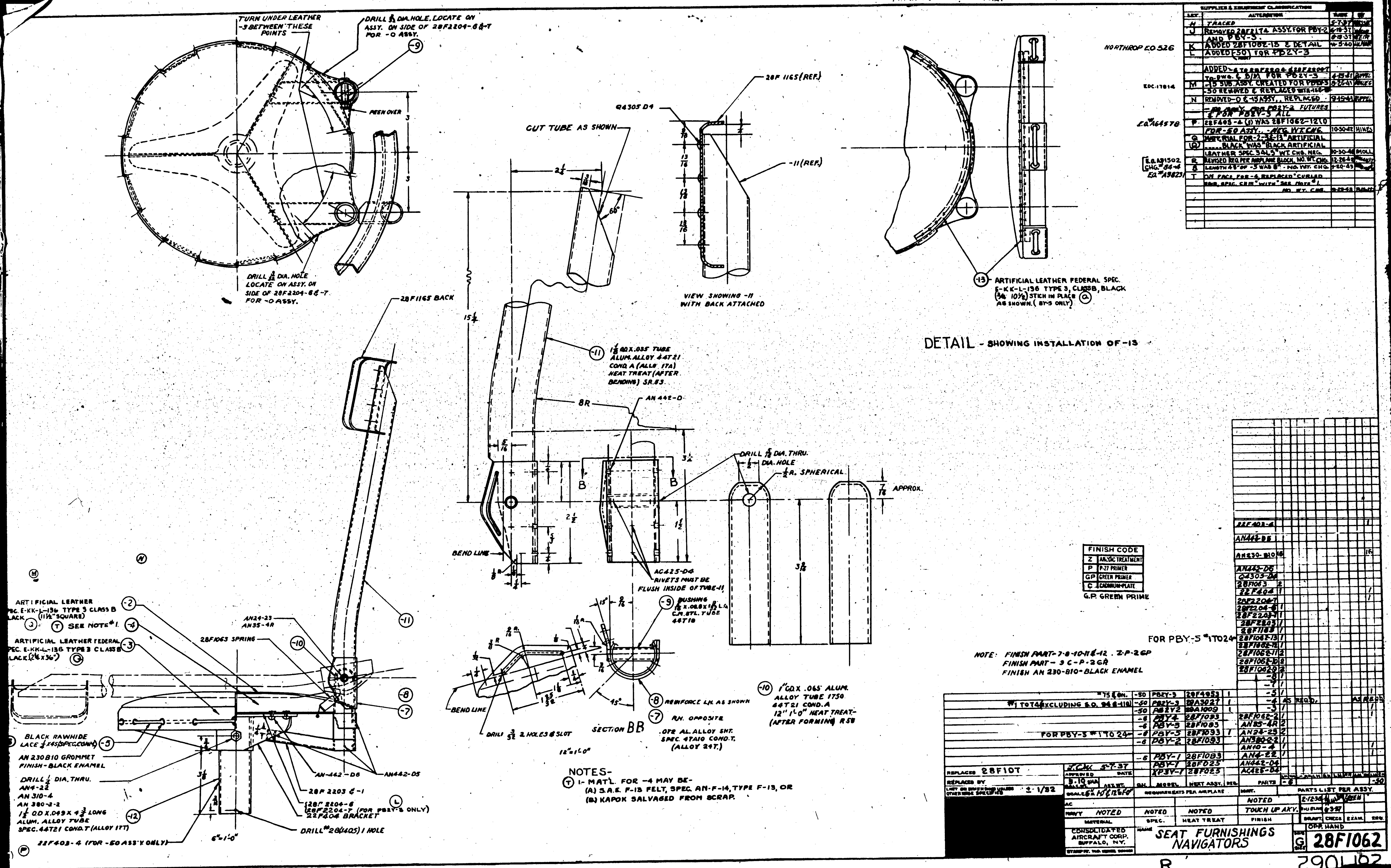
APPROVED: LCW DATE: 6-1-37
SCALE 6" = 1'-0"
NAVY NOTED — MATERIAL
NOTED — SPEC
NOTED — HEAT TREAT
NOTED — FINISH

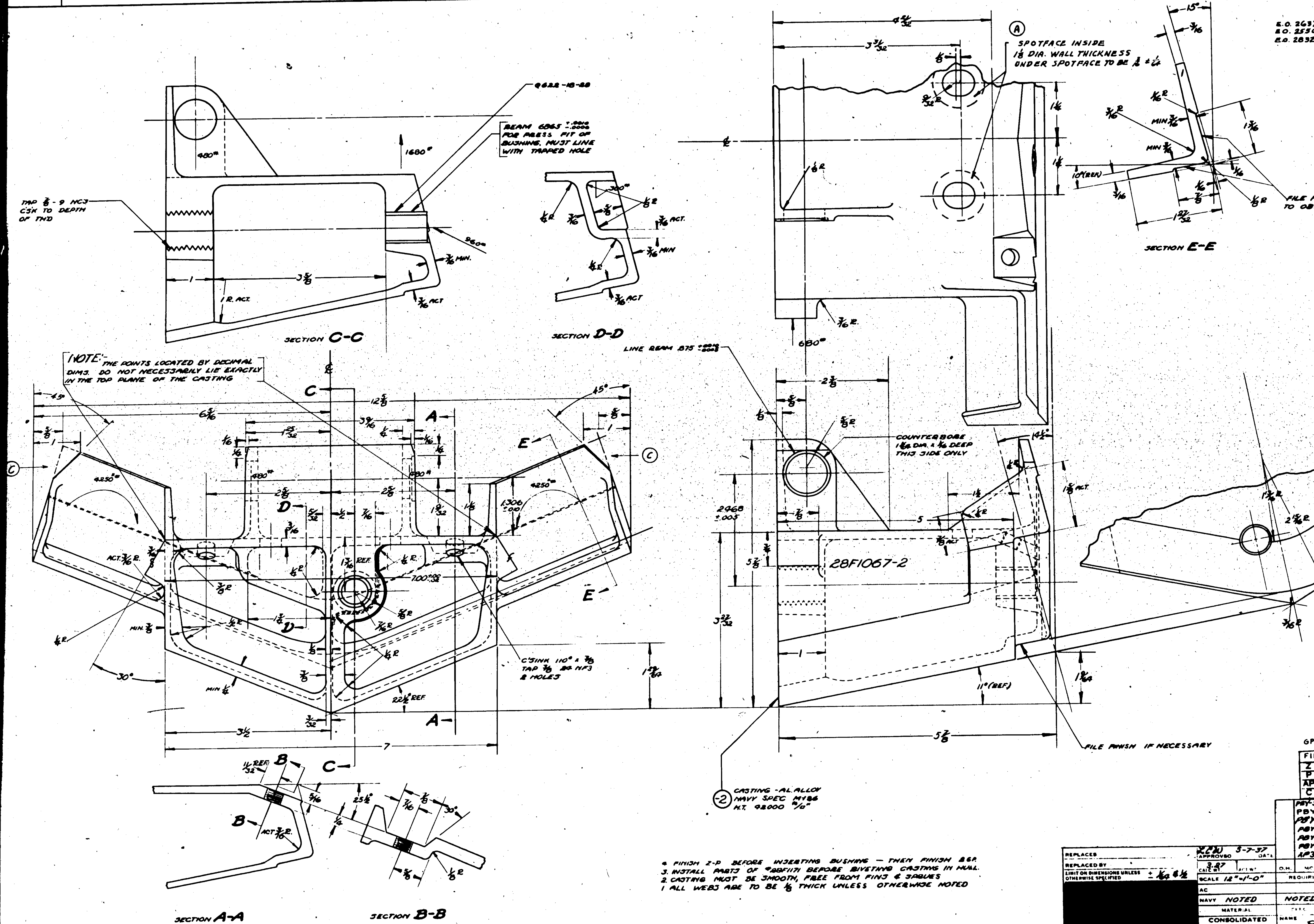
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME: PANEL INSTALLATION - FURNISHINGS - MECHANICS INSTR.

DWG G 28F1015

R


TURN UNDER LEATHER -3 BETWEEN THESE POINTS
DRILL 5/8 DIA. HOLE, LOCATE ON ASSY. ON SIDE OF 28F2204-6 & -7 FOR -0 ASSY.
PEEN OVER
DRILL 3/32 DIA. HOLE LOCATE ON ASSY. ON SIDE OF 28F2204-6 & -7 FOR -0 ASSY.
CUT TUBE AS SHOWN
28F1165 (REF.)
Q4305 D4
-11 (REF.)
VIEW SHOWING -11 WITH BACK ATTACHED
ARTIFICIAL LEATHER FEDERAL SPEC. K-KK-L-136 TYPE 3, CLASS B, BLACK (36" 10½) STICH IN PLACE AS SHOWN. (BY-5 ONLY)
DETAIL - SHOWING INSTALLATION OF -13
28F1165 BACK
1½ O.D.X.035 TUBE ALUM. ALLOY 44T21 COND. A (ALLOY 17A) HEAT TREAT (AFTER BENDING) SR.53.
8R
AN 442-D
DRILL 5/16 DIA. THRU.
1/2 DIA. HOLE
1/2 R. SPHERICAL
APPROX.
BEND LINE
AC425-D4 RIVETS MUST BE FLUSH INSIDE OF TUBE -11
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
G.P. GREEN PRIME
FOR PBY-5 #1 TO 24
NOTE: FINISH PART - 7-8-10-11 & -12 . Z-P-2GP
FINISH PART - 3 C-P-2GR
FINISH AN 230-810 - BLACK ENAMEL
ARTIFICIAL LEATHER SPEC. E-KK-L-136 TYPE 3 CLASS B BLACK (11½" SQUARE)
SEE NOTE #1.
ARTIFICIAL LEATHER FEDERAL SPEC. E-KK-L-136 TYPE 3 CLASS B BLACK (2¼ X 36")
28F1063 SPRING
AN24-23
AN35-4R
BLACK RAWHIDE LACE
AN 230B10 GROMMET FINISH - BLACK ENAMEL
DRILL 1/4 DIA. THRU.
AN4-22
AN 310-4
AN 380-2-2
1½ O.D.X.049 X 4¾ LONG ALUM. ALLOY TUBE SPEC. 44T21 COND. T (ALLOY 17T)
22F403-4 (FOR -50 ASS'Y ONLY)
AN-442-D6
AN442-D5
28F2203 & -1
28F2204-6
28F2204-7 (FOR PB2Y-3 ONLY)
22F404 BRACKET
DRILL #28 (.1405) 1 HOLE
6" = 1'-0"
BUSHING
REINFORCE L.H. AS SHOWN
R.H. OPPOSITE
.072 AL. ALLOY SHT. SPEC. 47A10 COND. T. (ALLOY 24T.)
1" O.D. X .065 ALUM. ALLOY TUBE 1750 44T21 COND. A 12" 1'-0" HEAT TREAT (AFTER FORMING) R58
DRILL 3/32 2 HOLES & SLOT
SECTION BB
12" = 1'-0"
NOTES-
1- MAT'L. FOR -4 MAY BE-
(A) S.A.E. F-13 FELT, SPEC. AN-F-14, TYPE F-13, OR
(B) KAPOK SALVAGED FROM SCRAP.
NORTHROP E.O. 526
SUPPLIES & EQUIPMENT CLASSIFICATION
TRACED
REMOVED 28F2174 ASSY. FOR PBY-2 AND PBY-3.
ADDED 28F1062-15 & DETAIL
ADDED (-50) FOR PB2Y-3
REPLACES 28F1017
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
SEAT FURNISHINGS NAVIGATORS
28F1062
PARTS LIST PER ASSY.



SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	Q	TRACED UP TO DATE	5-7-37	
E.O. 26375	R	SPOTFACE NOTE ADDED	11-5-40	BECHTOL
E.O. 25500	S	REMOVED #18 (.169) 2 HOLES SEC DD	11-5-40	BECHTOL
E.O. 28329	T	ENDS TRIMMED AT 45°	11-5-40	BECHTOL

GP - GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY
PBY-5A & B	28B1527
PBY-5	28B1527
PBY-4	28B1527
PBY-3	28B1527
PBY-2	28B1527
PBY-1	28B1527
XP3Y-1	28B1527

Q622-18-88
28F1067-2

PARTS LIST PER ASSY

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & 1/2
APPROVED 5-7-37
CALC. WT. 3.27
SCALE 12" = 1'-0"
NAVY NOTED
MATERIAL NOTED
SPEC. NOTED
HEAT TREAT NOTED
FINISH NOTED
2-19-36 6-7-37 MILLER

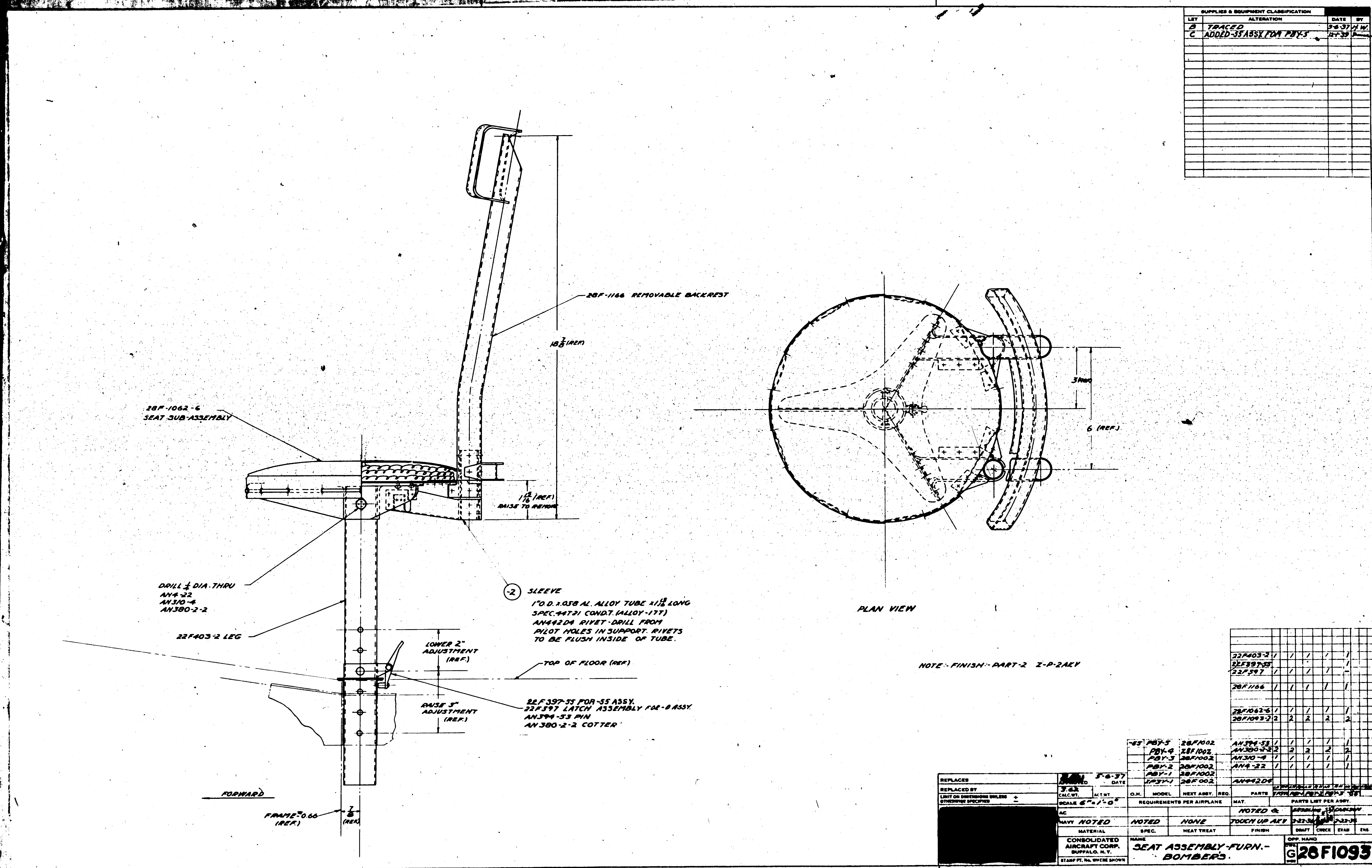
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME: BASE ARMAMENT TUNNEL GUN

G 28F1067

R

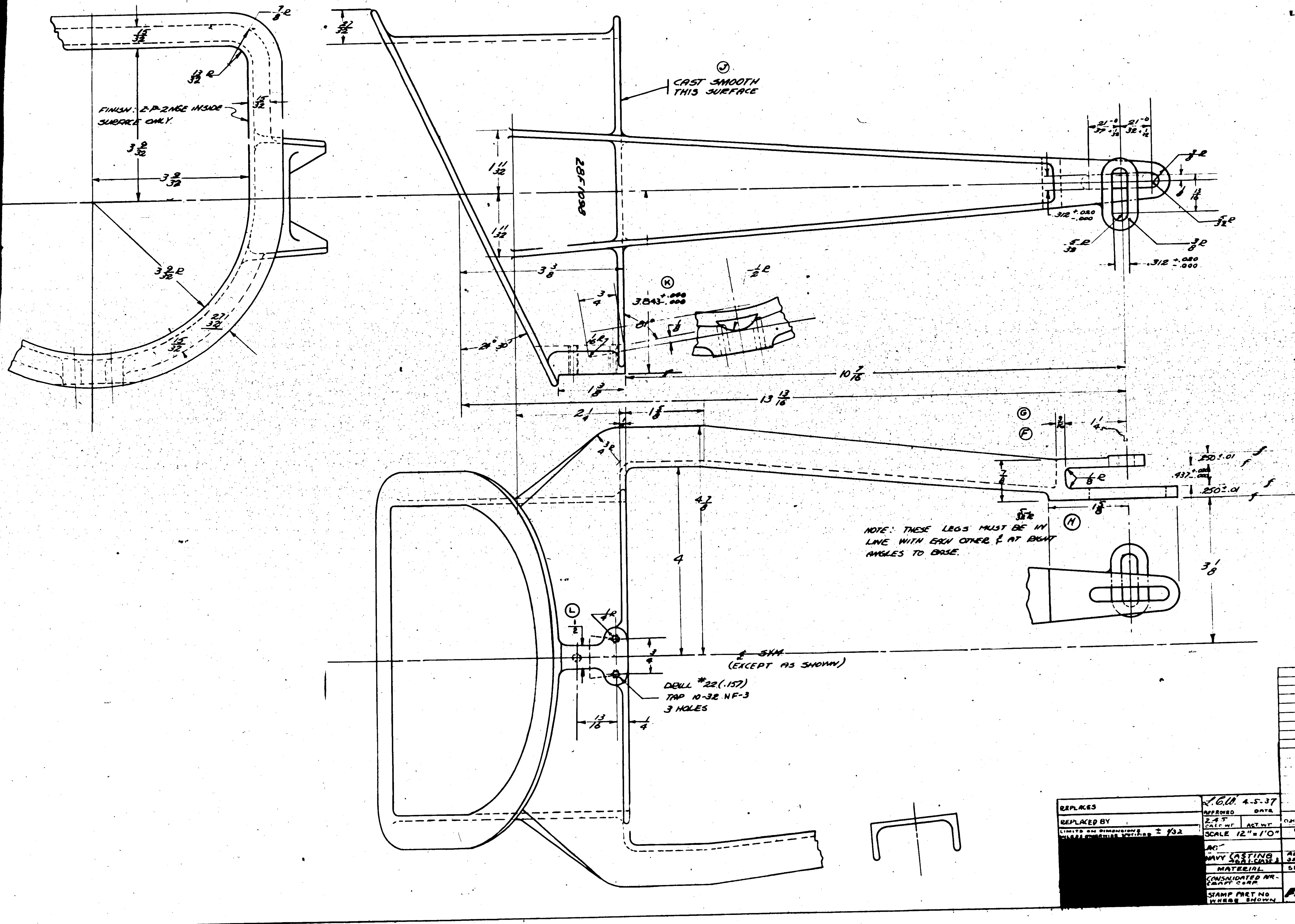
28F1067



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
B | TRACED | 5-6-37 | H.W.
C | ADDED -55 ASSY FOR PBY-5 | 12-1-39
28F-1166 REMOVABLE BACKREST
18 7/8 (REF.)
28F-1062-6
SEAT SUB-ASSEMBLY
1 13/16 (REF.)
RAISE TO REMOVE
DRILL 1/4 DIA. THRU
AN4-22
AN310-4
AN380-2-2
-2 SLEEVE
1" O.D. x .058 AL. ALLOY TUBE x 1 13/16 LONG
SPEC. 44T21 COND. T. (ALLOY-17T)
AN442D4 RIVET - DRILL FROM
PILOT HOLES IN SUPPORT. RIVETS
TO BE FLUSH INSIDE OF TUBE.
22F403-2 LEG
LOWER 2" ADJUSTMENT (REF.)
TOP OF FLOOR (REF.)
RAISE 3" ADJUSTMENT (REF.)
22F397-55 FOR -55 ASSY.
22F397 LATCH ASSEMBLY FOR -8 ASSY.
AN394-53 PIN
AN380-2-2 COTTER
FORWARD
FRAME -0.66 (REF.)
7/8 (REF.)
PLAN VIEW
3 (REF.)
6 (REF.)
NOTE:- FINISH:- PART-2 Z-P-2AKY
22F403-2
22F397-55
22F397
28F1166
28F1062-6
28F1093-2
-55 PBY-5 28F1002
PBY-4 28F1002
PBY-3 28F1002
PBY-2 28F1002
PBY-1 28F1002
XP3Y-1 28F002
AN394-53
AN380-2-2
AN310-4
AN4-22
AN442D4
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED 5-6-37 DATE
3.62 CALC. WT.
ACT. WT.
SCALE 6" = 1'-0"
O.H. MODEL NEXT ASSY. REQ.
REQUIREMENTS PER AIRPLANE
PARTS
MAT.
PARTS LIST PER ASSY.
AC
NAVY NOTED
MATERIAL
NOTED
SPEC.
NONE
HEAT TREAT
NOTED & TOUCH UP AKY
FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
SEAT ASSEMBLY-FURN.-
BOMBERS.
OPP. HAND
G 28F1093

SUPPLIES & EQUIPMENT CLASSIFICATION

LT	ALTERATION	DATE	BY
E	TRACED	4-5-37	KB
F	3/4 DIM. WAS 11/16 : ADDED 1/4 DIM. TO AGREE WITH PATTERN CHANGE	11-3-37 / OF 9-20-36	
G	3/16 DIM. WAS 1/4	7-20-37	
H	ADDED 1 5/16 DIM. & 7/16 DIM. REMOVED 3/16 & 1/8 DIM.	3-11-40	
J	ADDED NOTE CAST ..... SMOOTH TO FACE. NO WT. CHG.	4/3/42	CARL
K (E.O. A748060A)	DIM. 3.843 +.000 -.000 WAS 3.91 +.000 -.000 WT. CHG. NEG.	12-26-42	DUGGALE
L	ADDED 1/2 DIM. TO DWG NO WT. CHG.	8-7-43	WELCH



4. DECIMAL DIMENSIONS INDICATE SMOOTH MACHINE; FINISH - ALLOW EXTRA MATERIAL ON CASTING.

3. ALL EXTERIOR EDGES + CORNERS - 1/16 EXCEPT AS SHOWN

2. ALL FILLETS - 1/16 R EXCEPT AS OTHERWISE INDICATED

1. ALL WEBS + FLANGES - 1/8 THICK - DRAFT TO 1/16 3/ MAX. AS NECESSARY.

FINISH CODE	
GP	GREEN PRIME
Z	ANODIC TREATMENT
P	A27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY	REQ
	XP4Y-1	31A039	2
	PB2Y-3	[illegible]	2
	PBY-5B	28A1006	2
	28-5AMN		2
	28-5AMC		2
	28-5MN		2
	28-5ME		2
	28-5MC		2
	28-5MA		2
	PBY-5A		2
	PBY-5	28A1006	2
	PBY-4	28A1006	
	PBY-3	28A1006	
	PBY-2	28A1006	
	PBY-1	28A1006	
	XP3Y-1	28A1006	

REQUIREMENTS PER AIRPLANE

REPLACES

REPLACED BY

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

L.G.W. 4-5-37 APPROVED DATE

2.4 T CALC WT. ACT. WT.

SCALE 12" = 1'0"

NAVY CASTING 46A1-CLASS 1 — MATERIAL

ALCOA 356T4 — SPEC

26,000 #/□" — HEAT TREAT

Z-R 2 G P SEE NOTE — FINISH

LIVERS 2-22-36 | THURBER 6-7-37 | GREEN 2-27-36
DRAFT | CHECK | EXAM | ENG

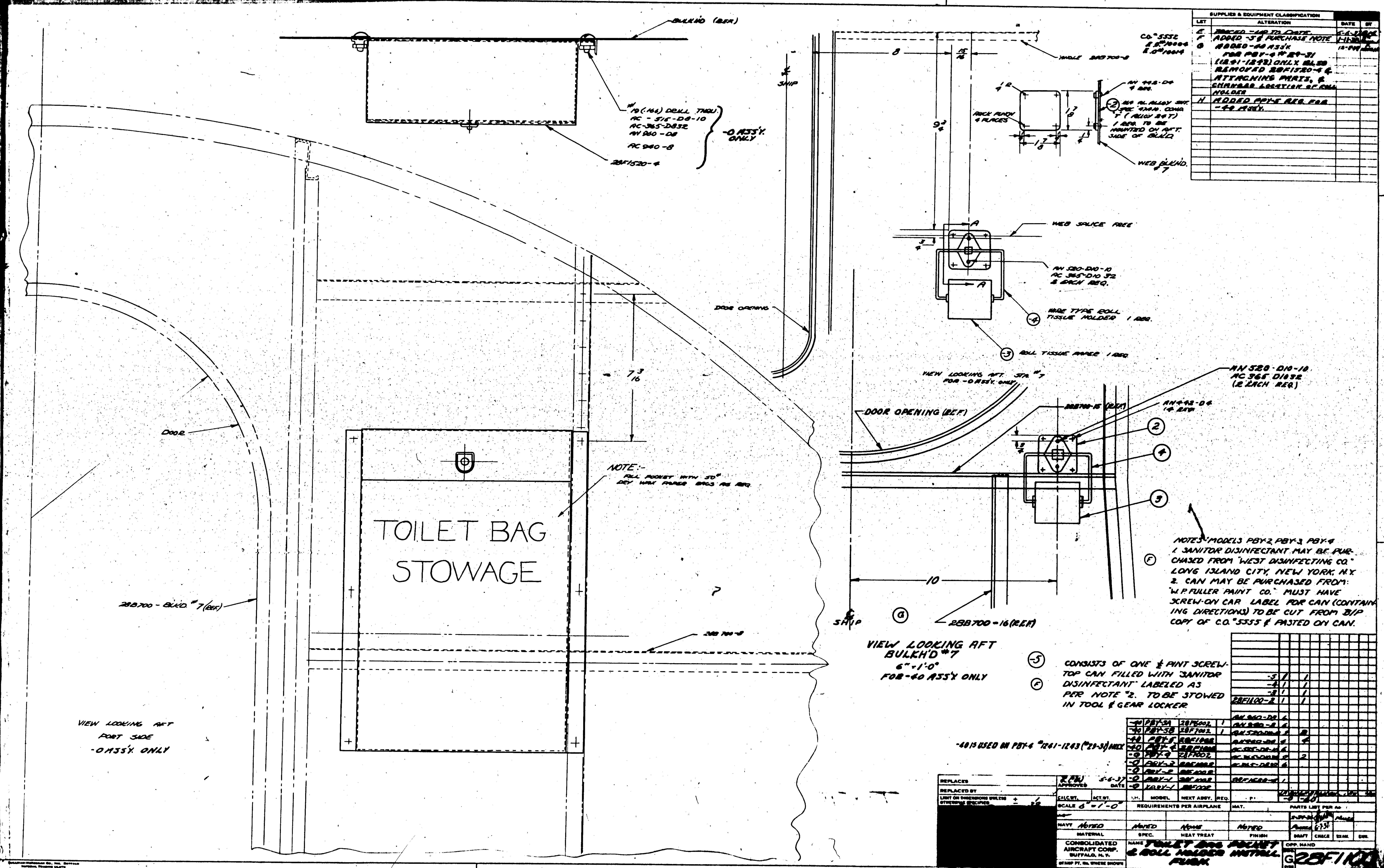
CONSOLIDATED AIRCRAFT CORP.

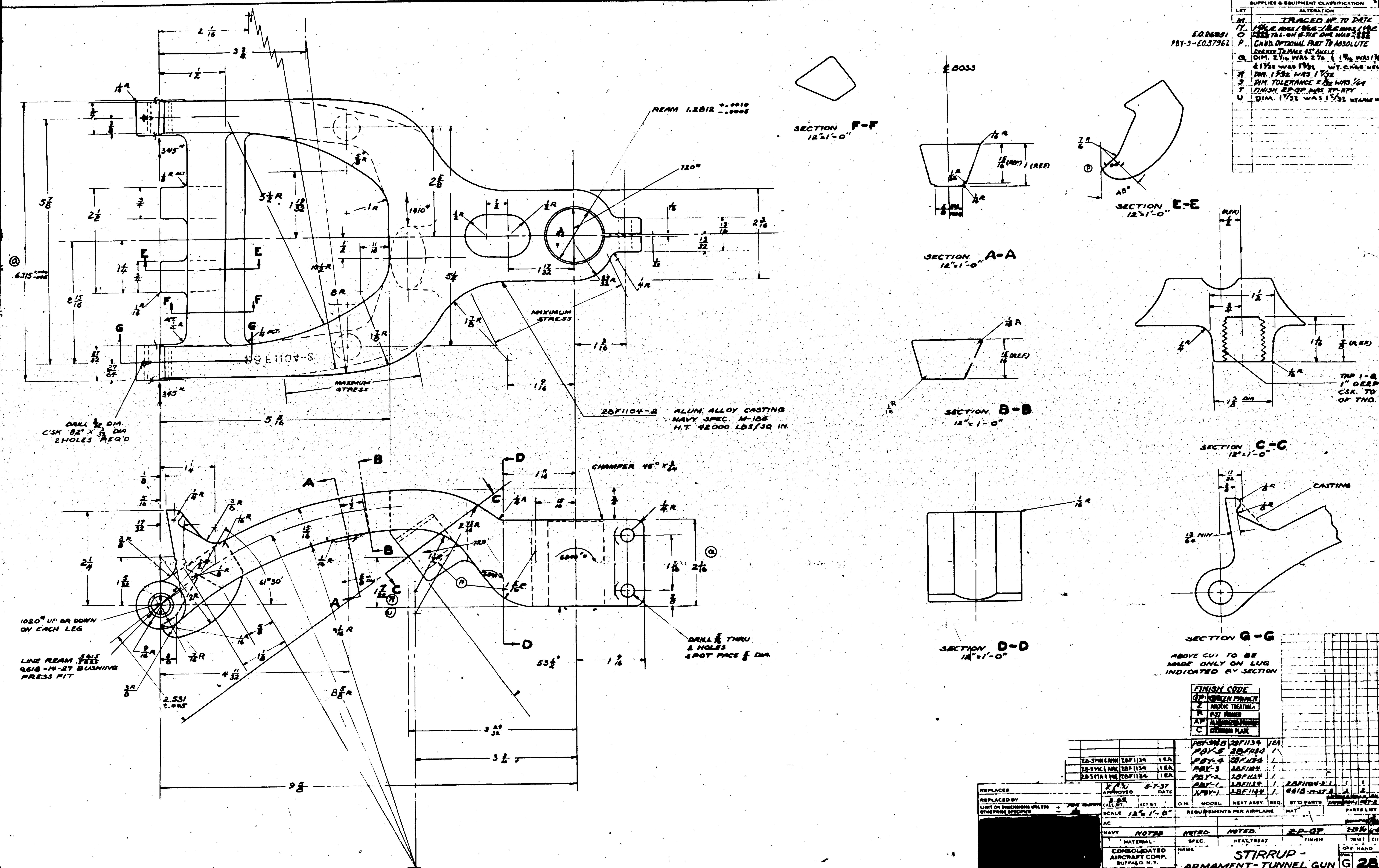
STAMP PART NO. WHERE SHOWN

BASE
FLARE INSTALL. - FURN.

G 28F1098

R 28F1098


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E TRACED - UP TO DATE. 5-6-37
F ADDED -5 & PURCHASE NOTE
G ADDED -40 ASS'Y FOR PBY-4 #29-31 (1241-1243) ONLY. ALSO REMOVED 28F1520-4 & ATTACHING PARTS, & CHANGED LOCATION OF ROLL HOLDER
H ADDED PBY-5 REQ. FOR -40 ASS'Y.
C.O. #5552
BULKH'D (REF)
28F1520-4
-0 ASS'Y. ONLY
AC 940-8
SHIP
DOOR OPENING
WEB SPLICE FREE
VIEW LOOKING AFT STA. #7 FOR -0 ASS'Y. ONLY
DOOR OPENING (REF.)
WEB BULKHD. #7
DOOR
NOTE:- FILL POCKET WITH 50# DRY WAX PAPER BAGS AS REQ.
TOILET BAG
STOWAGE
28B700 - BLKD. #7 (REF)
VIEW LOOKING AFT PORT SIDE -0 ASS'Y. ONLY
28B700-16 (REF.)
VIEW LOOKING AFT BULKH'D #7
6" = 1'-0"
FOR -40 ASS'Y ONLY
NOTES: MODELS PBY-2, PBY-3, PBY-4
1. SANITOR DISINFECTANT MAY BE PURCHASED FROM "WEST DISINFECTING CO." LONG ISLAND CITY, NEW YORK, N.Y.
2. CAN MAY BE PURCHASED FROM: "W.P. FULLER PAINT CO." MUST HAVE SCREW-ON CAP. LABEL FOR CAN (CONTAINING DIRECTIONS) TO BE CUT FROM B/P COPY OF C.O. #5555 & PASTED ON CAN.
-5 CONSISTS OF ONE ½ PINT SCREW-TOP CAN FILLED WITH "SANITOR DISINFECTANT" LABELED AS PER NOTE #2. TO BE STOWED IN TOOL & GEAR LOCKER.
28F1100-2
-40 IS USED ON PBY-4 #1241-1243 (#29-31) ONLY
-40 PBY-5A 28F6002 1
-40 PBY-5B 28F7002 1
-0 PBY-4 28F1002
REPLACES
REPLACED BY
APPROVED 5-6-37 DATE
CALC. WT.
ACT. WT.
MODEL
NEXT ASSY.
REQ.
SCALE 6" = 1'-0"
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER AS
NAVY NOTED
MATERIAL
NOTED
SPEC.
NONE
HEAT TREAT
NOTED
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME TOILET BAG POCKET & ROLL HOLDER INSTALL. FLIGHT
OPP. HAND
G 28F1100



E.O.26851
PBY-5-E.O.37962

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
M	TRACED UP TO DATE	5-7-37	[illegible]
N	[illegible]	1-27-38	[illegible]
O	[illegible] TOL. ON 6.715 DIA WAS [illegible]	11-4-40	[illegible]
P	CHGD. OPTIONAL PART TO ABSOLUTE DEGREE TO MAKE 45° ANGLE	3-28-41	[illegible]
Q	DIM. 2 1/16 WAS 2 1/8 & 1 9/16 WAS 1 [illegible] & 1 1/32 WAS 1 [illegible]/32 WT. CHGD NEG.	2-27-43	[illegible]
R	DIM. 1 5/32 WAS 1 7/32	3-4-43	[illegible]
S	DIM. TOLERANCE ± 1/32 WAS 1/64	3-4-43	
T	FINISH ZP-GP WAS ZP-APY	3-4-43	[illegible]
U	DIM. 1 7/32 WAS 1 5/32 WT.CHGE NEG.	6-18-43	[illegible]

FINISH CODE	
GP	GREEN PRIMER
Z	ANODIC TREATMENT
R	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY.	REQ.
28-5MA (AMA)	28F1134	1 EA.
28-5MC (AMC)	28F1134	1 EA.
28-5MA (ME)	28F1134	1 EA.
PBY-5A & B	28F1134	1 EA
PBY-5	28F1134	1
PBY-4	28F1134	1
PBY-3	28F1134	1
PBY-2	28F1134	1
PBY-1	28F1134	1
XPBY-1	28F1134	1

O.H. — REQUIREMENTS PER AIRPLANE

ST'D PARTS: 28F1104-2; .0618-14-27 — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED

APPROVED: [illegible] DATE: 5-7-37
CALC. WT.: 3.85 ACT. WT.
SCALE: 12" = 1'-0"
AC
NAVY — MATERIAL: NOTED — SPEC.: NOTED — HEAT TREAT: NOTED — FINISH: ZP-GP
DRAFT / CHECK / EXAM / ENG.: 2-25-36, 6-4-37
OPP HAND

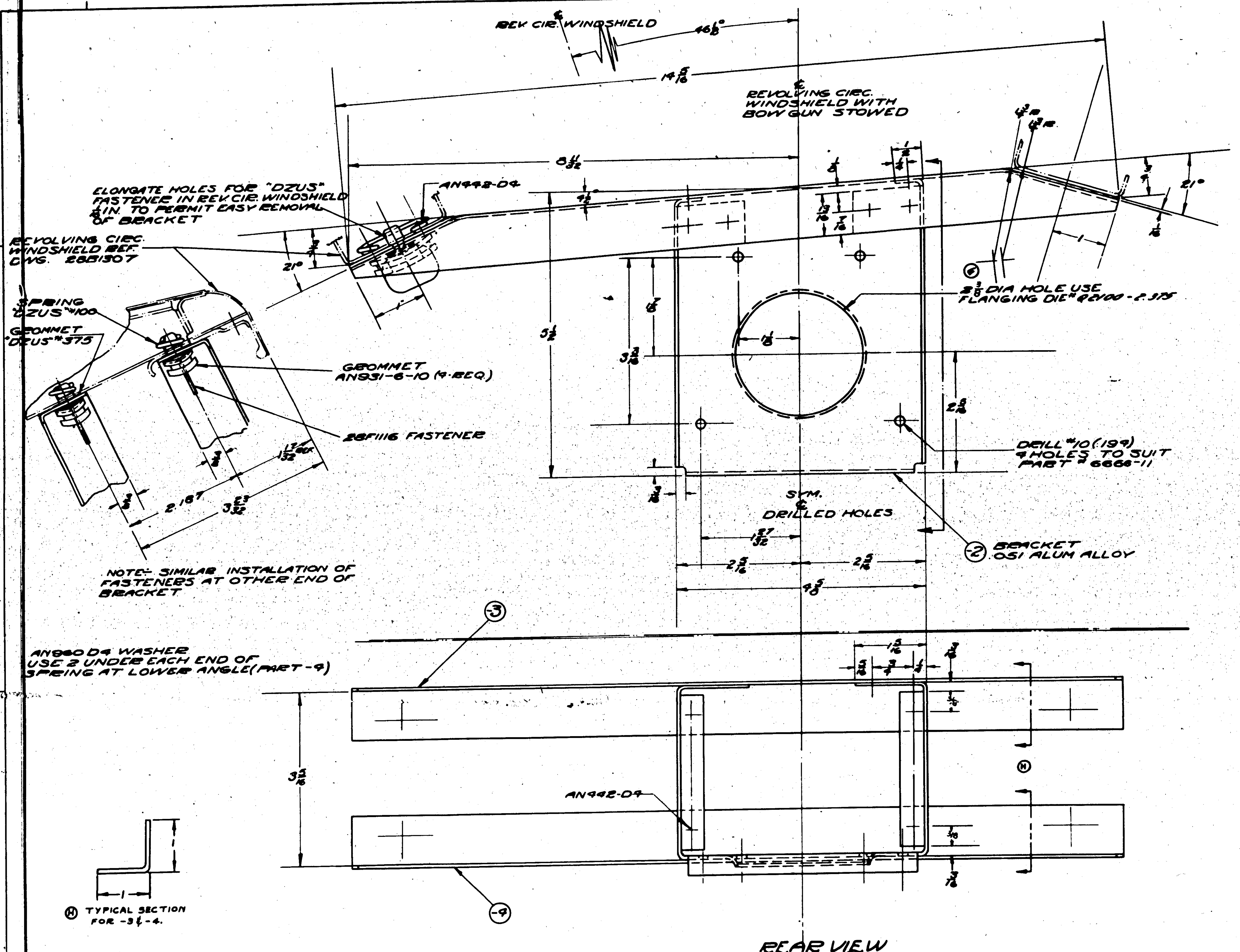
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

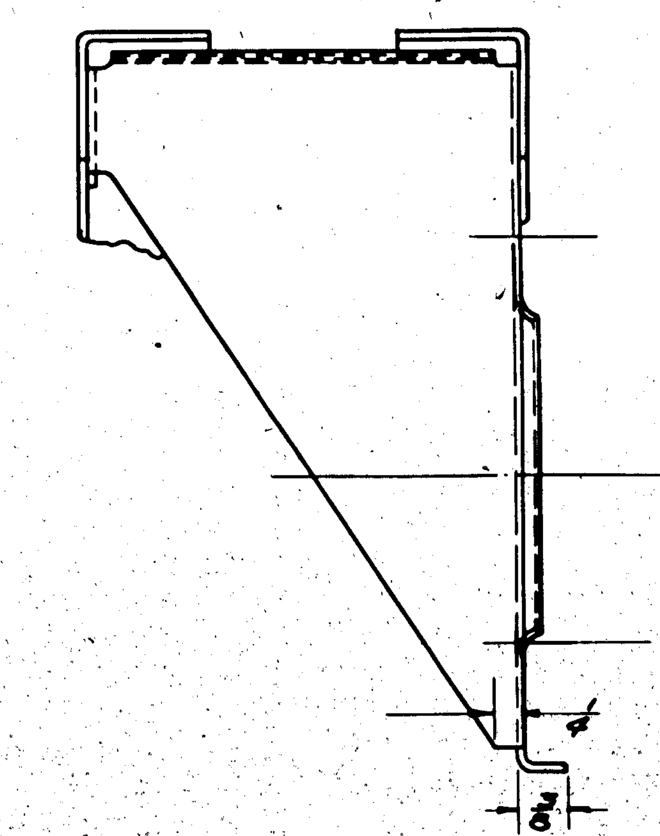
NAME: STIRRUP - ARMAMENT - TUNNEL GUN

DWG. SIZE: G — 28F1104

R 28F1104

LET	ALTERATION	DATE	BY
F	TRACED UP TO DATE	5-6-37	L.W.B.
G	2 3/8 DIA. WAS 2 1/2 DIA. DIE # Q2100-2.375-WAS # 3M	11-5-40	KUBIN
H	ON FACE, FOR -3 & -4 REMOVED NOTE "1 1/2 X 1 X 1/16 AL ALLOY ANGLE ALCOA DIE K-78 J" & NOTE "ALL AL ALLOY EXTRUSIONS SPEC. 46A9 (COND. A) ALLOY 24A EXCEPT AS NOTED" ADDED MAT'L. NOTE # 1 & TYPICAL SECTION FOR -3 & -4, WEC49, NEG	7-31-43	[illegible]





ALL BEND RADII 1/8 UNLESS OTHERWISE NOTED.

MATERIAL NOTES-

(H) 1-MAT'L. FOR -3 & -4 MAY BE-
(A) .072 X 2 1/8 X 15, 24ST ALC., SPEC. QQ-A-362-T, OR
(B) K78J X 15, AL. AL. EXTR., SPEC. QQ-A-354-T.

ALL AL. ALLOY SHEET SPEC. 47A10 (COND. A.) ALLOY 24A EXCEPT AS NOTED.

H. T. ALL COND. A MATERIAL PER SPEC SR53 - COND. T.
RIVETS AL ALLOY

GP-GREEN PRIME.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H	MODEL	NEXT ASSY	REQ	PARTS	PBY-1	PBY-2	PBY-3	PBY-4
				AN931-6-10 4	4		4	
				DZUS # 375 4	4		4	
				DZUS # 100 4	4		4	
				28F1116 4	4		4	
	PBY-5A	28F1091	1EA					
	PBY-5	28F1091	1					
	PBY-4	28F1091		-4 1	1		1	
	PBY-3	28F1091		-3 1	1		1	
	PBY-2	28F1091		28F1109-2 1	1		1	
	PBY-1	28F1091		AN442-D4 16	16		16	
	XP3Y-1	28F1091		AN960-D4 8	8		8	

REQUIREMENTS PER AIRPLANE

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/64

APPROVED	DATE	CALC. WT.	ACT. WT	SCALE
LCW	5-6-37	.79		12" = 1'-0

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY NOTED	NOTED	NOTED	Z-P-ZGP

PARTS LIST PER ASSY
DRAFT: BOULEY / CHECK: [illegible] / DATE 6-7-37

CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.

STAMP PT. No. WHERE SHOWN

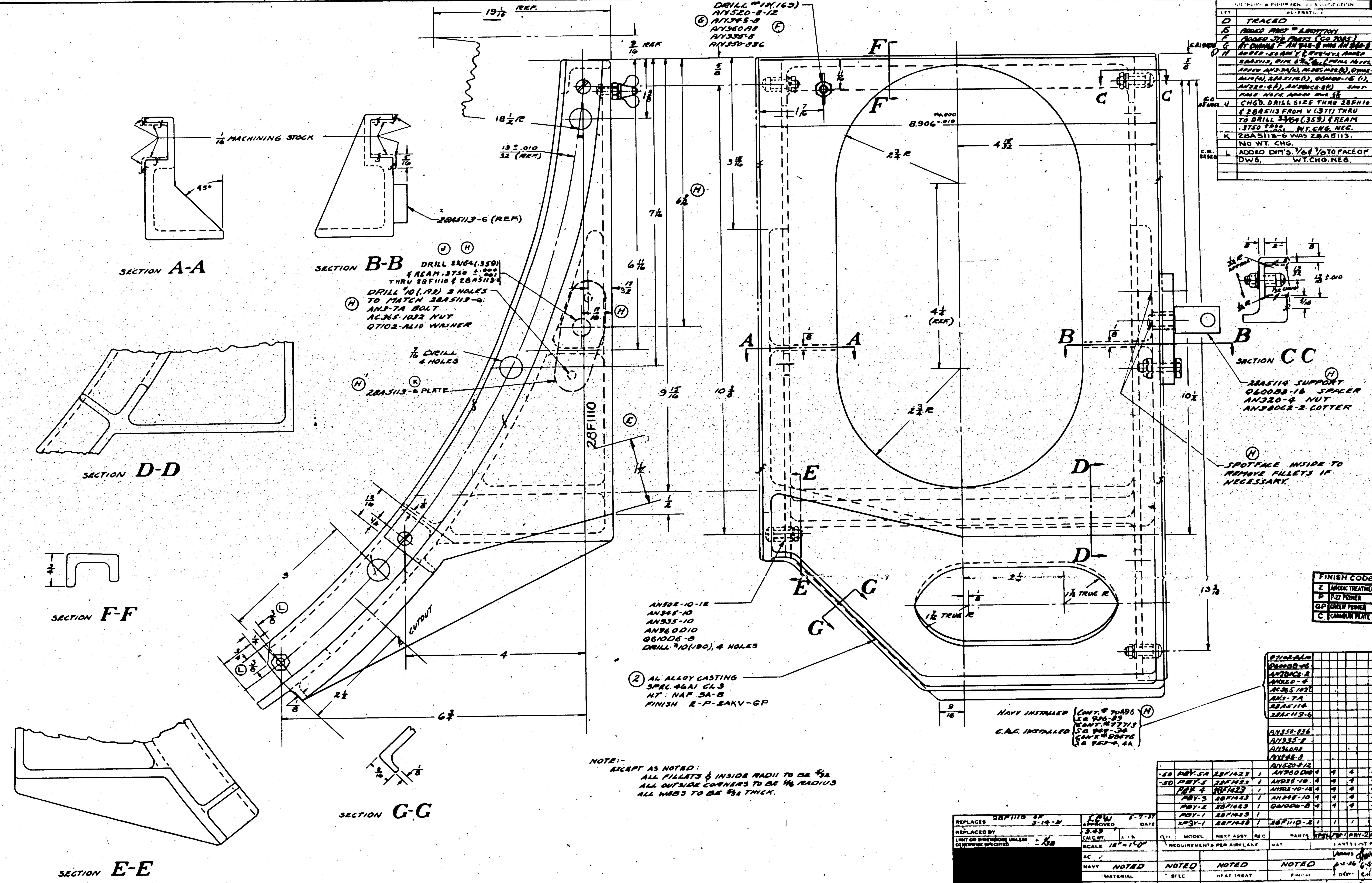
NAME BRACKET INST.— FIXED EQUIP.—BOW PELORUS-DRIFT SIGHT

OPP HAND

DWG. SIZE G 28F1109

A

6011182



NOTE:-
EXCEPT AS NOTED:
ALL FILLETS 1/8 INSIDE RADII TO BE 3/32
ALL OUTSIDE CORNERS TO BE 1/16 RADIUS
ALL WEBS TO BE 5/32 THICK.

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
D	TRACED	5-7-37	
E	ADDED PART # LOCATION	11-8-38	
F	ADDED STD PARTS (CO 7085)	6-14-38	
G	WT CHANGE F AN 345-8 WAS AN 340-8	11-8-40	
H	ADDED -50 ASS'Y. & REQ'M'TS ADDED 28A5113, DIM. 6 11/16" & DRILL NOTES, ADDED AN3-7A(2), AC365-1032(2), Q7102-AL10(4), 28A5114(1), Q600BB-16 (1), AN320-4(1), AN380C2-2(1) SPOT-FACE NOTE. ADDED DIM 17/32	10-27-41	HATCHNER
J	CHGD. DRILL SIZE THRU 28F1110 & 28A5113 FROM V (.377) THRU TO DRILL 23/64 (.359) & REAM .3750 +.000 -.001 WT. CHG. NEG.	10-14-42	ROBERTS
K	28A5113-6 WAS 28A5113. NO WT. CHG.	2-2-43	BAGGANEY
L	ADDED DIM'S. 3/8 & 3/8 TO FACE OF DWG. WT. CHG. NEG.	5-9-43	NICHOLS

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

PARTS	XP3Y-1	PBY-1	PBY-2	PBY-3	PBY-4	-50
Q7102-AL10						4
Q600BB-16						1
AN380C2-2						1
AN320-4						1
AC365-1032						2
AN3-7A						2
28A5114						1
28A5113-6						1
AN350-836				1	1	1
AN935-8				1	1	1
AN960A8				3	3	3
AN345-8				1	1	1
AN520-8-12				1	1	1
AN960D10	4	4	4	4	4	4
AN935-10	4	4	4	4	4	4
AN502-10-12	4	4	4	4	4	4
AN345-10	4	4	4	4	4	4
Q6100G-8	4	4	4	4	4	4
28F1110-2	1	1	1	1	1	1

PARTS LIST PER ASSY.

Q.N.	MODEL	NEXT ASSY	REQ
-50	PBY-5A	28F1423	1
-50	PBY-5	28F1423	1
	PBY-4	28F1423	1
	PBY-3	28F1423	1
	PBY-2	28F1423	1
	PBY-1	28F1423	1
	XP3Y-1	28F1423	1

REQUIREMENTS PER AIRPLANE

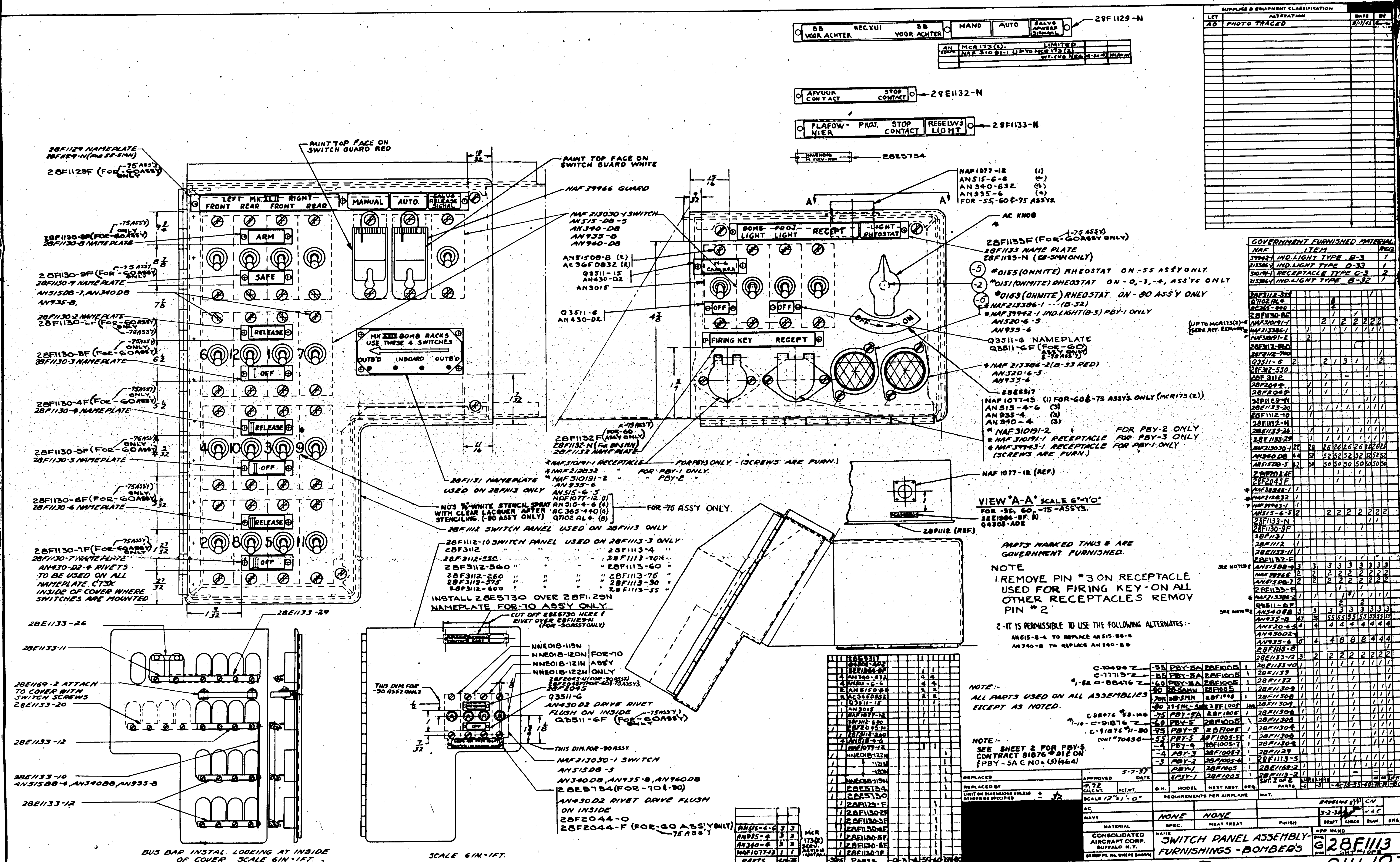
REPLACES	28F1110 SP 3-14-37
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/32
APPROVED	LPW
DATE	5-7-37
CALC. WT.	3.49
SCALE	12" = 1'-0"
AC	
NAVY MATERIAL	NOTED
SPEC	NOTED
HEAT TREAT	NOTED
FINISH	NOTED
DRAWN	6-3-36
CHECK	6-4-37

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: TRACK - FURN'S. - MARK XV BOMBSIGHT

G 28F1110

R 0111-107



O.H.	MODEL	NEXT ASSY.	REQ.
-55	PBY-5A	28F1005	1
-55	PBY-5A	28F1005	1
-60	PBY-5A	28F1005	1
-90	28-5AMN	28F1005	1
-70N	28-5MN	28F1005	1
-80	28-5MC-5MK	28F1005	1(A)
-75	PBY-5A	28F1005	1
-60	PBY-5	28F1005	1
-75	PBY-5	28F1005	1
-55	PBY-5	28F1005-55	1
-4	PBY-4	28F1005-7	1
-4	PBY-3	28F1005-7	1
-3	PBY-2	28F1005-6	1
	PBY-1	28F1005	1
	XP3Y-1	28F1005	1

REQUIREMENTS PER AIRPLANE

APPROVED 5-7-37 DATE
CALC. WT. 4.72
SCALE 12"=1'-0"
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
MATERIAL: NONE — SPEC.: NONE

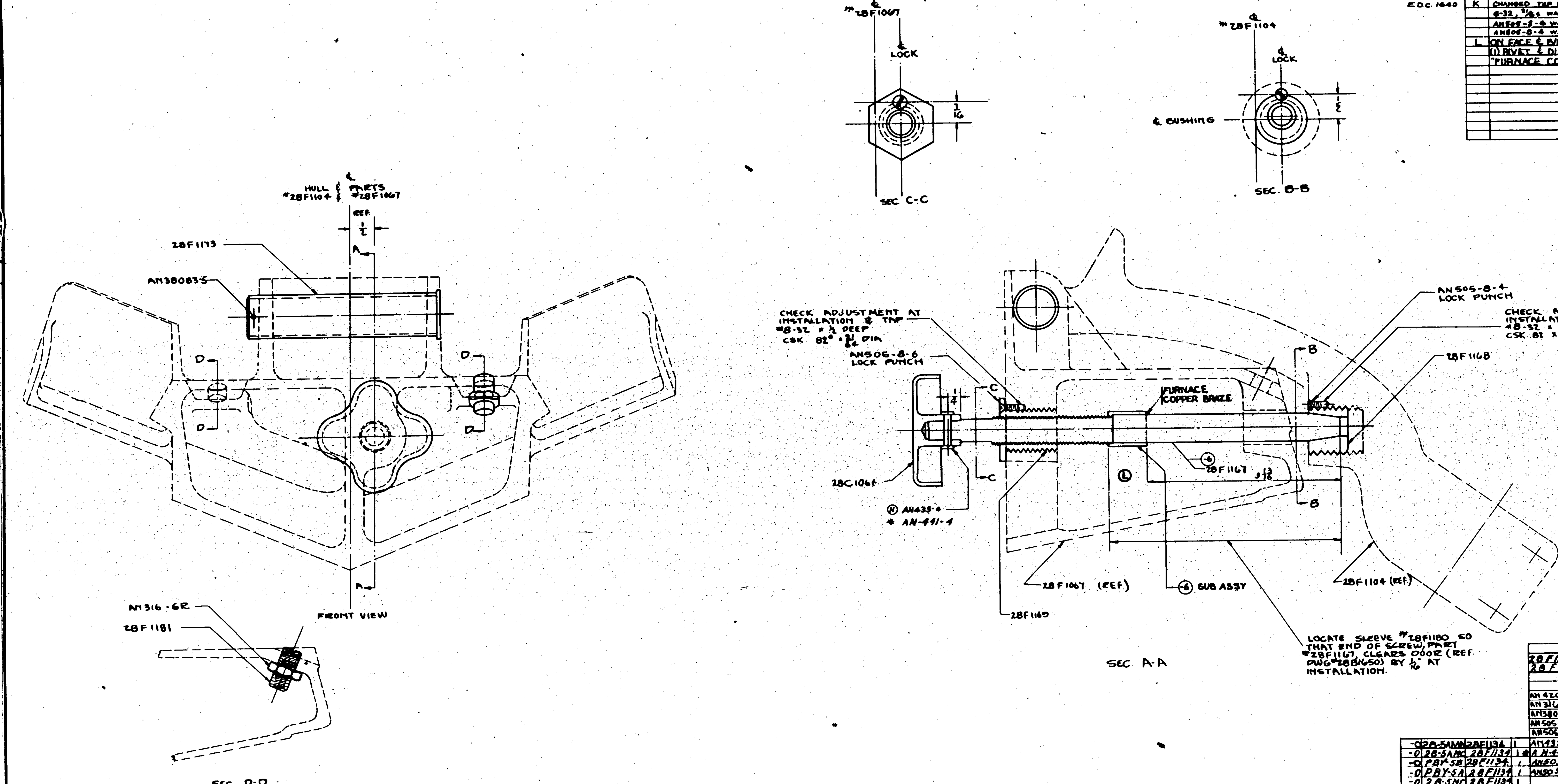
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME: SWITCH PANEL ASSEMBLY-FURNISHINGS - BOMBER'S

G 28F1113 SHT. #1 OF 2

R

28F113



NOTE * USE ON -0 ONLY

PBY5-E.O31751			
E.O. 86688 PBY-5, 5A, 28-5, AMC E.D.C. 1640			

LET	ALTERATION	DATE	BY
G	TRACED	5-7-37	V.H.B.
H	Chg'd. 441-4 To 435-4 in B/M & Face Of Drawing	3-26-41	
J	Added -6 Sub Assy 28F1167, 28F1180 & AN420-4 To Dwg & in B/M	4-29-41	
K	CHANGED TAP NOTE: #8-32 WAS 6-32, 31/64 WAS 19/64. 2 PLACES AN505-8-6 WAS AC505-6-6 AN505-8-4 WAS AC505-6-4	8-27-41	
L	ON FACE & B/M ADDED AN420-4 (1) RIVET & DIM. 3/8. ADDED NOTE "FURNACE COPPER BRAZE" WT. CHG. NEG.	8-21-43	

SUPPLIES & EQUIPMENT CLASSIFICATION

O.H.	MODEL	NEXT ASSY.	REQ.
-0	28-5AMN	28F1134	1
-0	28-5AMC	28F1134	1
-0	PBY-5B	28F1134	1
-0	PBY-5A	28F1134	1
-0	28-5MC	28F1134	1
-0	28-5MA	28F1134	1
-0	28-5MN	28F1134	1
-0	28-5ME	28F1134	1
-0	PBY-6	28F1134	1
	PBY-5	28F1171	
	PBY-4	28F1134	
	PBY-3	28F1134	
	PBY-2	28F1134	
	PBY-1	28F1134	
	XPBY-1	28F1134	

REQUIREMENTS PER AIRPLANE

PARTS	PBY4	PBY-1	PBY-2	PBY-3	PBY4	-0
28F1180	1					
28F1167	1					
-6 SUB ASSY						
AN420-4	1	1	1	1	1	
AN316-6R	2	2	2	2	2	2
AN380-85-6	1	1	1	1	1	1
AN505-6-4	1	1	1	1	1	
AN506-6-6	1	1	1	1	1	
AN435-4	1	1	1	1	1	
*AN-441-4						1
AN505-8-4						1
AN505-8-6						1
SUB ASSY-6						1
28C1066	1	1	1	1	1	1
28F1181	2	2	2	2	2	2
28F1180	1	1	1	1	1	
28F1173	1	1	1	1	1	1
28F1169	1	1	1	1	1	1
28F1168	1	1	1	1	1	1
28F1167	1	1	1	1	1	

PARTS LIST PER ASSY

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/64
APPROVED - DATE	5-7-31
CALC. WT.	1.17
ACT. WT.	
SCALE	12" = 1'-0"
AC	
NAVY MATERIAL	NOTED
SPEC.	NOTED
HEAT TREAT	—
FINISH	—
DRAFT	DOOLEY 5-7-36
CHECK	6-8-37
MAT.	

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

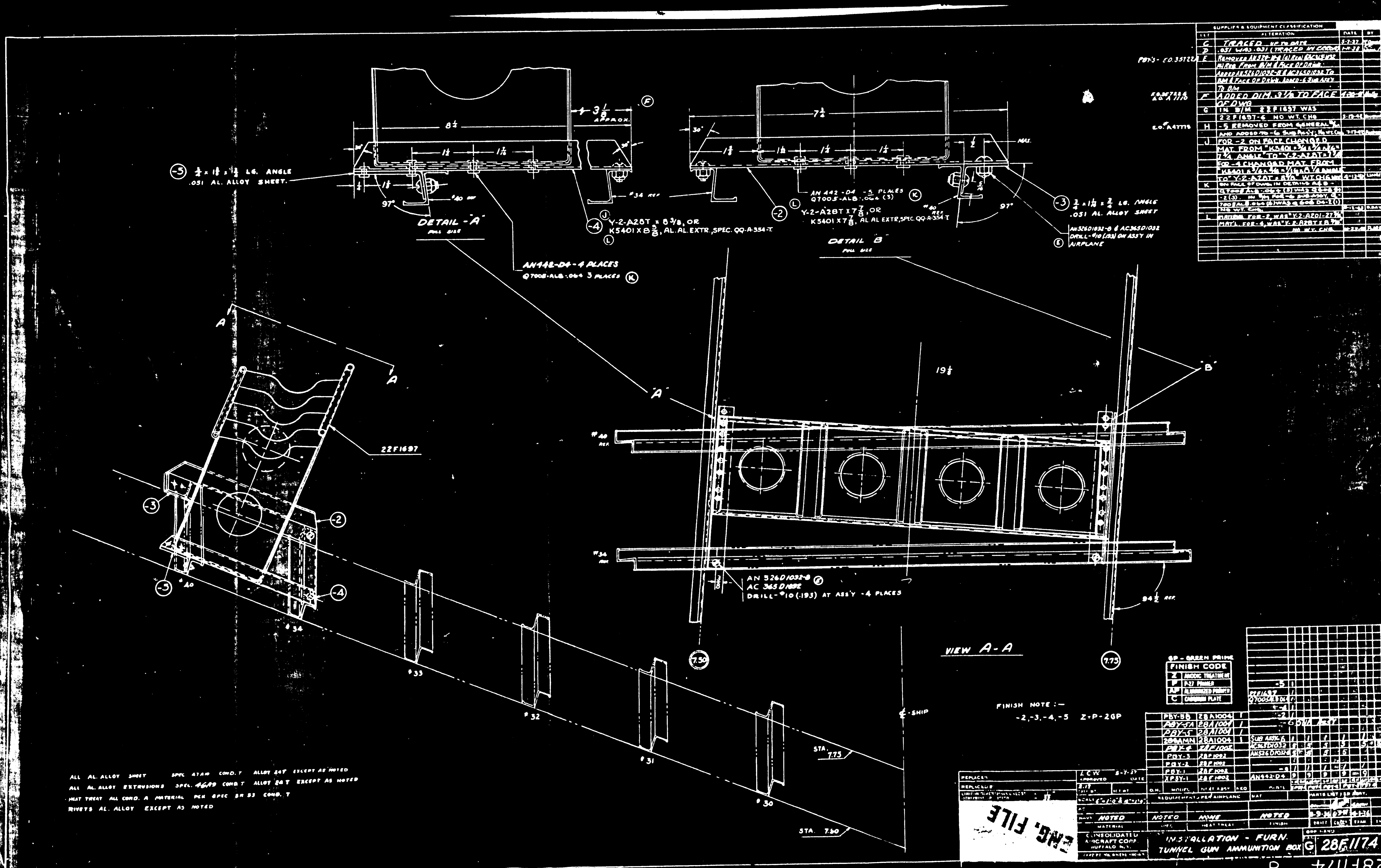
NAME: LOCK INST. - ARMAMENT TUNNEL GUN

OPP. HAND

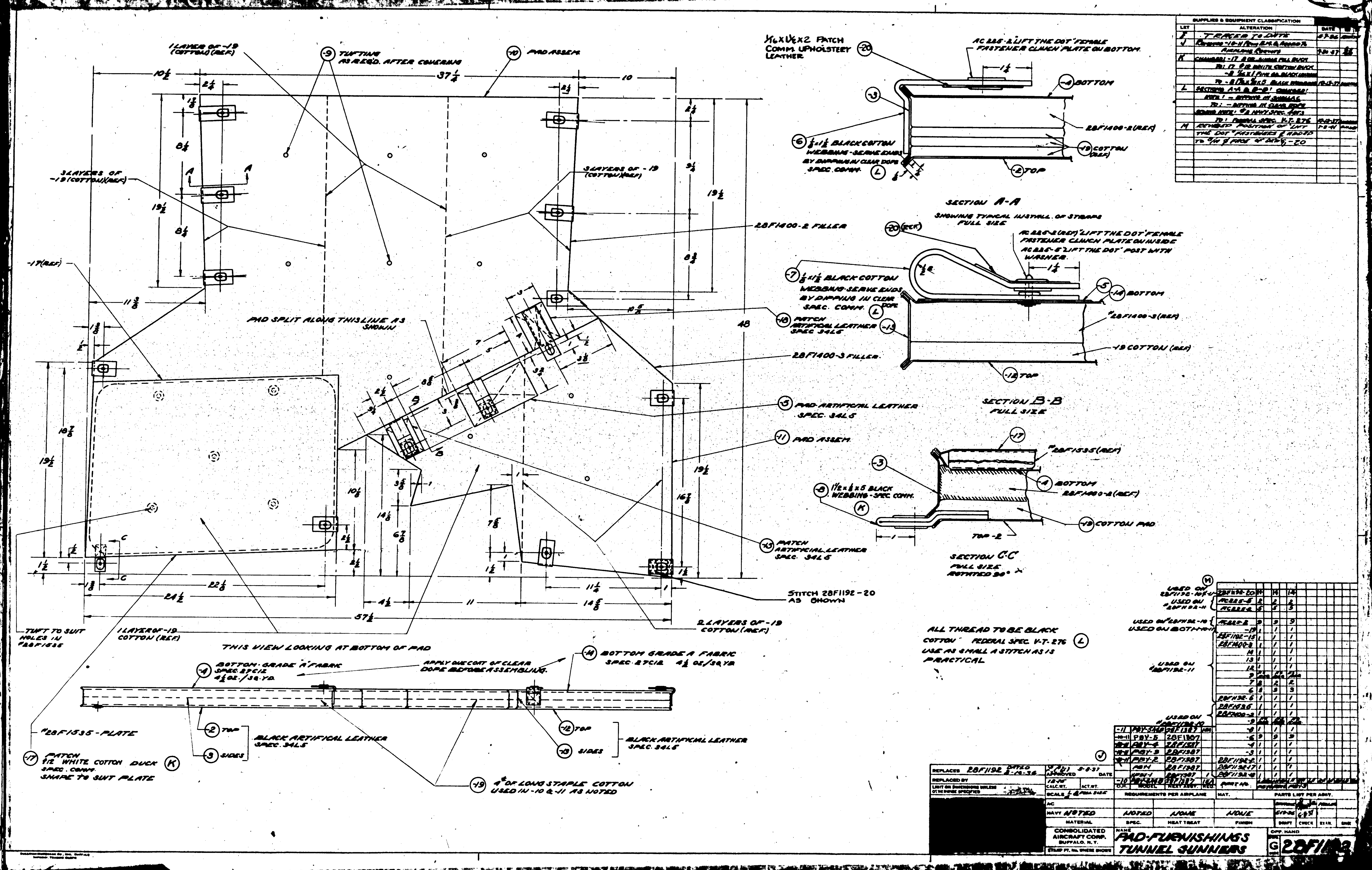
DWG. SIZE G 28F1171

R

111182

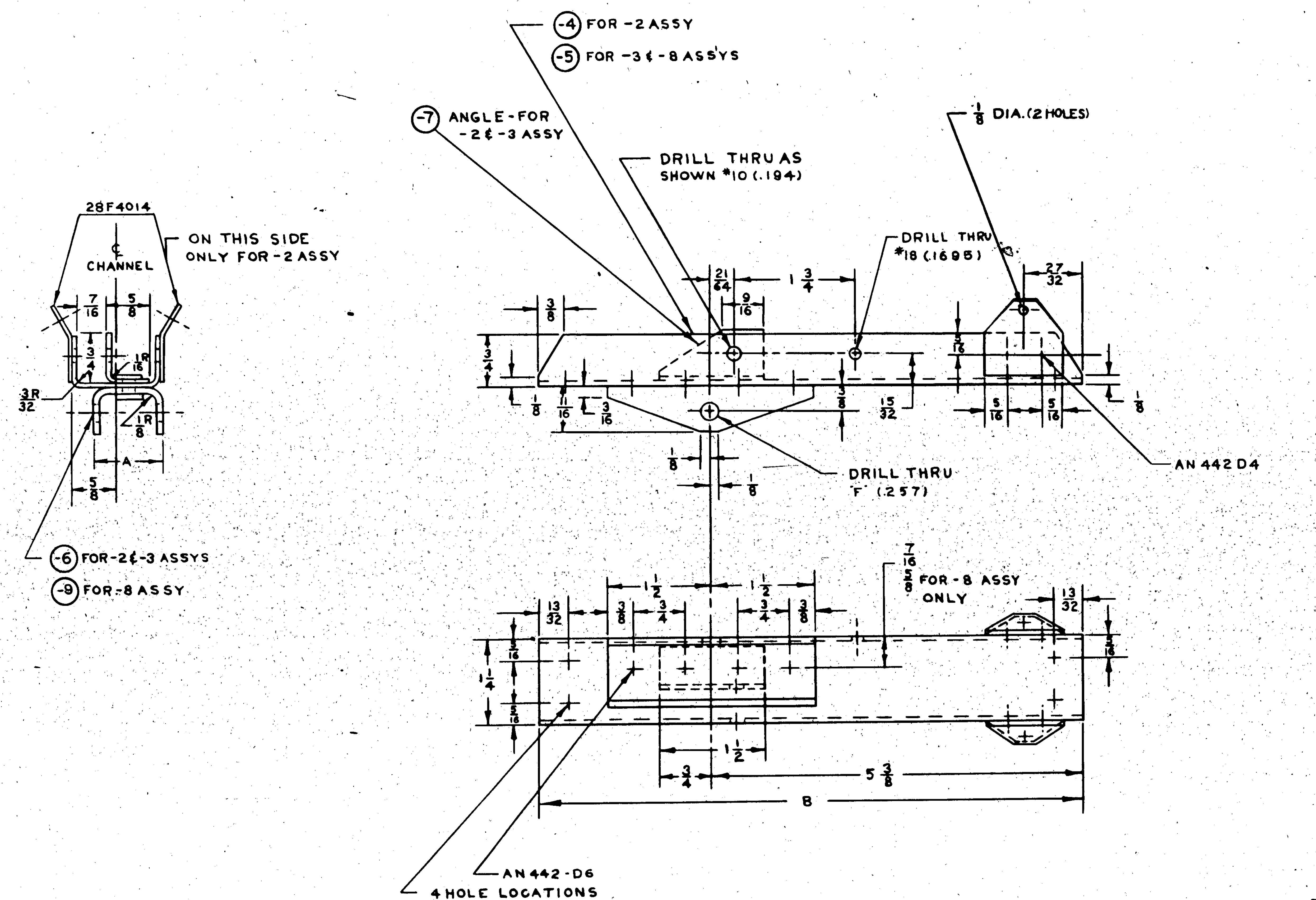


DETAIL "A"
DETAIL "B"
-5 1/2 x 1 1/2 x 1 1/2 LG. ANGLE .051 AL. ALLOY SHEET
-4 Y-2-A28T x 8 3/8, OR K5401 X 8 3/8, AL. AL. EXTR, SPEC. QQ-A-354-T.
-2 Y-2-A28T X 7 7/8, OR K5401 X 7 7/8, AL AL EXTR, SPEC. QQ-A-354-T
-3 3/4 x 1 1/2 x 3/4 LG. ANGLE .051 AL. ALLOY SHEET
AN442-D4-4 PLACES
Q7005-ALB-.064 3 PLACES
AN 442-D4 -5 PLACES
Q7005-ALB-.064 (3)
AN526D1032-8 & AC365D1032 DRILL-#10 (.193) ON ASS'Y IN AIRPLANE
22F1697
AN 526D1032-8
AC 365D1032
DRILL-#10 (.193) AT ASS'Y -4 PLACES
VIEW A-A
STA. 7.75
STA. 7.50
FINISH NOTE :—
-2, -3, -4, -5 Z+P-2GP
ALL AL. ALLOY SHEET SPEC 47A10 COND. T ALLOY 24T EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC. 46A9 COND. T ALLOY 24T EXCEPT AS NOTED
HEAT TREAT ALL COND. A MATERIAL PER SPEC BR 53 COND. T
RIVETS AL. ALLOY EXCEPT AS NOTED
ENG. FILE
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
INSTALLATION - FURN. TUNNEL GUN AMMUNITION BOX
G 28F1174



TRACED TO DATE
1/16 x 1/2 x 2 PATCH
COMM. UPHOLSTERY LEATHER
AC 225-2 LIFT THE DOT FEMALE FASTENER CLINCH PLATE ON BOTTOM.
-4 BOTTOM
28F1400-2(REF)
-19 COTTON (REF)
-2 TOP
SECTION A-A
SHOWING TYPICAL INSTALL. OF STRAPS FULL SIZE
-9 TUFTING AS REQD. AFTER COVERING
-10 PAD ASSEM.
1 LAYER OF -19 (COTTON) (REF.)
3 LAYERS OF -19 (COTTON) (REF)
28F1400-2 FILLER
-17 (REF)
PAD SPLIT ALONG THIS LINE AS SHOWN
28F1400-3 FILLER
-5 PAD ARTIFICIAL LEATHER SPEC. 34L6
-11 PAD ASSEM.
-15 PATCH ARTIFICIAL LEATHER SPEC. 34L6
-7 1/8 x 1 1/2 BLACK COTTON WEBBING - SERVE ENDS BY DIPPING IN CLEAR DOPE SPEC. COMM.
-14 BOTTOM
28F1400-3 (REF)
-19 COTTON (REF)
-12 TOP
SECTION B-B FULL SIZE
28F1535 (REF)
-4 BOTTOM
28F1400-2 (REF)
-19 COTTON PAD
-8 1 1/2 x 1/8 x 5 BLACK WEBBING - SPEC. COMM.
TOP -2
SECTION C-C FULL SIZE ROTATED 90°
STITCH 28F1192-20 AS SHOWN
2 LAYERS OF -19 COTTON (REF)
TUFT TO SUIT HOLES IN 28F1535
1 LAYER OF -19 COTTON (REF)
THIS VIEW LOOKING AT BOTTOM OF PAD
ALL THREAD TO BE BLACK COTTON FEDERAL SPEC. V-T-276
USE AS SMALL A STITCH AS IS PRACTICAL
-4 BOTTOM - GRADE A FABRIC SPEC 27C12 4 1/2 OZ./SQ. YD.
APPLY ONE COAT OF CLEAR DOPE BEFORE ASSEMBLING.
-14 BOTTOM GRADE A FABRIC SPEC. 27C12 4 1/2 OZ/SQ.YD.
-2 TOP
-3 SIDES
BLACK ARTIFICIAL LEATHER SPEC. 34L6
-12 TOP
-13 SIDES
28F1535 - PLATE
-17 PATCH 1/2 WHITE COTTON DUCK SPEC. COMM. SHAPE TO SUIT PLATE
-19 4" OF LONG STAPLE COTTON USED IN -10 & -11 AS NOTED
REPLACES 28F1192
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
PAD-FURNISHINGS TUNNEL GUNNERS
28F1192

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				L	TRACED NO. WT. CHG.	[illegible]	ROBERTS



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

MATERIAL FOR -7 MAY BE -
(A) .072 X 1 1/2 X 1 5/8 ALC., SPEC. QQ-A-362-T, OR
(B) K5401 X 1 3/8, AL AL. EXTR., SPEC. QQ-A-354-T

ASSY. NO.	PART	DIM "B"	DIM "A"
28F1219-2	-4	7 7/8	
28F1219-3	-5	9	
28F1219-2&-3	-6		1
28F1219-8	-9		1 1/4

ASSY	CALC. WT.
-2	.21
-3	.23
-8	.21

C# 70496 & 77713 & 88476 ONLY
NO a (S) 464
C 70496 & 91876 #1 TO 90
C 91876 # 91 & ON

ASSY. DASH NO.	MODEL	NEXT ASSY.	NO.
-3	PBY-5A	28F1222	2
-8	PBY-5A	28F1222	2
-3	PBY-5	28F1222	2
-8	PBY-5	28F1222	2
-3	28-5AMC	28F1222	2
-3	28-5AMN	28F1222	2
-3	28-5MN	28F1222	2
-3	28-5MC	28F1222	2
-3	PBY-4	28F1222	
-3	PBY-3	28F1222-3	
-3	PBY-2	28F1222-3	
-3	PBY-1	28F1222-3	
-2	PBY-1	28F1222-2	

REQUIREMENTS PER AIRPLANE

REPLACES 28F1219 OF 1-11-37 — NOTED CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12" - 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-8 REQ. LH	-8 REQ. RH	REQ. LH	REQ. RH
28F4014						1		2		2			
-9	.091x2 3/4x3 1/8	AL. AL. SHT.	QQ-A-355-T							1			
-7	NOTED	NOTED	NOTED			1		1					
-6	.091x2 1/2x3 1/8	AL. AL. SH'T	QQ-A-355-T			1		1					
-5	.064x2 7/8x9 1/8	AL. AL. SH'T	QQ-A-355-T					1		1			
-4	.064x2 7/8x8	AL. AL. SH'T	QQ-A-355-T			1							

PARTS LIST PER ASSY.

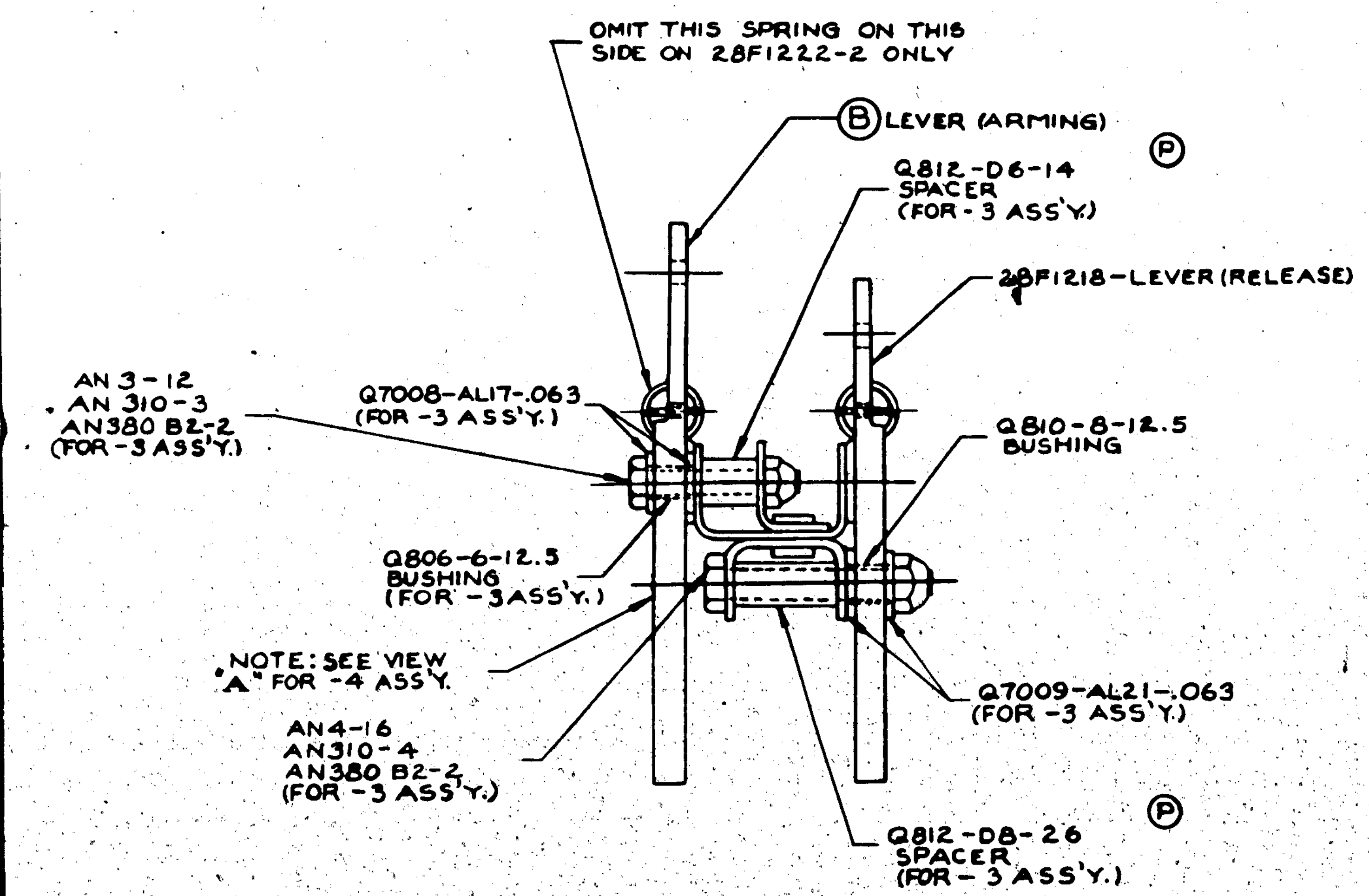
A C		BOULEY	ANDERSON			L.C.W.	
NAVY —	Z-P-2GP	4-2-36	2-6-37			1-11-37	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.

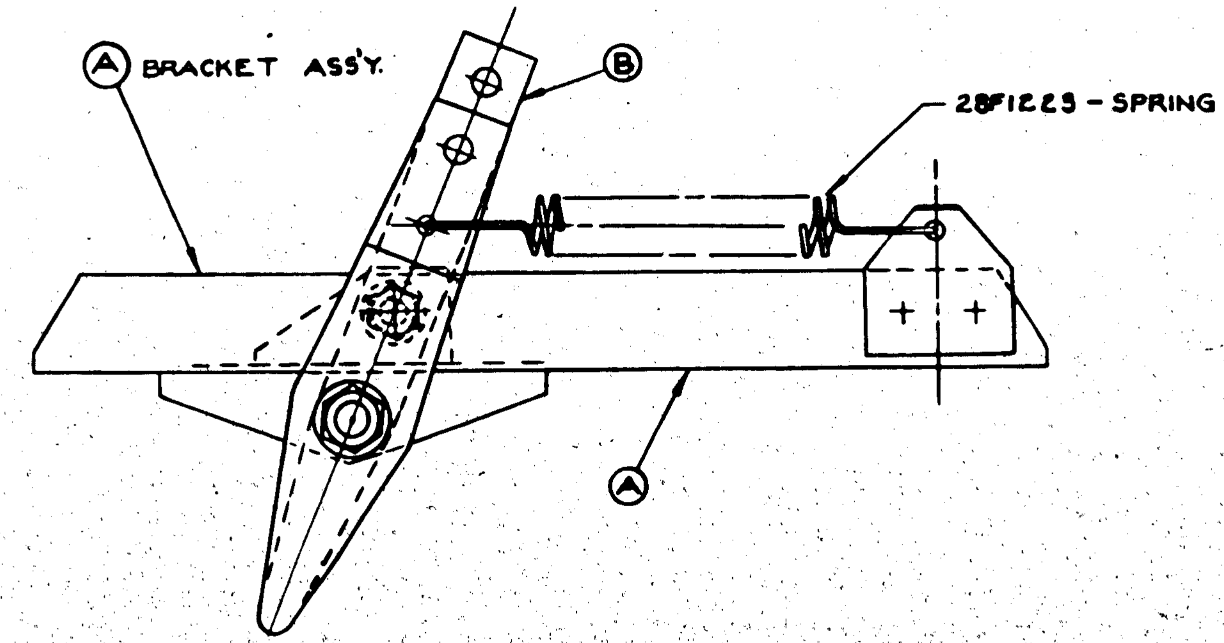
NAME BRACKET ASSY.-ARMAMENT BOMB RACK REL. LEVER MOUNT

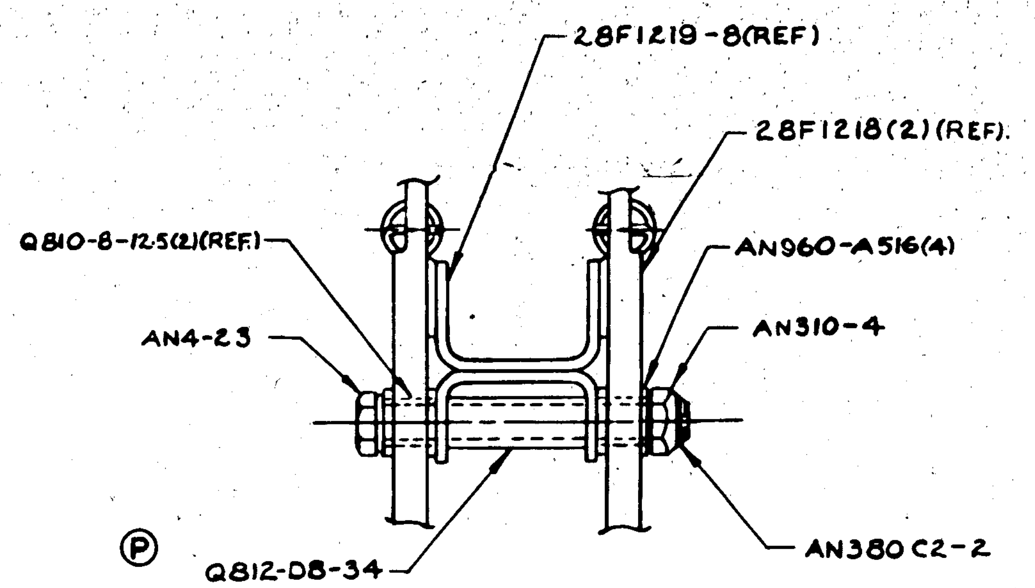
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND
DWG. SIZE G — 28F1219

R 28F1219







VIEW A
FOR -4 ASS'Y.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				N	TRACED. NO WT. CHG.	10-5-43	MAIN
				P	IN -3 ASS'Y. Q812-D6-14 (1) WAS Q612-D6-14 (1), & Q812-D8-26(1) WAS Q612-D8-26 (1); IN -4 ASS'Y. Q812-D8-34(1) WAS Q612-D8-34(1). WT. CHG. NEG.	10-5-43	MAIN

ASS'Y. NO.	PART "A"	PART "B"
28F1222-3	28F1219-3	28F1221
28F1222-4	28F1219-8	28F1218

C. No2(S)464
C. 91876-91 & ON

C.70496, C.77713 & C. 88476 ONLY
C.70496 & 91876-1 TO 90

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-4	PBY-5A	28A5152	2
-4	PBY-5	28A5152	2
-3	28-5AMN	28A2010	2
-3	28-5AMC		2
-3	28-5MN		2
-3	28-5MC		2
-3	PBY-5A		2
-3	PBY-5		2
-3	PBY-4		2
-3	PBY-3		2
-3	PBY-2	28A2010	2
-3	PBY-1	28A1010	2

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
AN960-A516										4			
AN380-C2-2										1			
AN380-B2-2						2		2					
AN3-12						1		1					
AN310-3						1		1					
AN4-16						1		1					
AN4-23										1			
AN310-4						1		1		1			
Q812-D8-34										1			
Q812-D8-26						1		1					
Q812-D6-14						1		1					
Q810-8-12.5						1		1		2			
Q806-6-12.5						1		1					
Q7008-AL17-.063						2		2					
Q7009-AL21-.063						2		2					
28F1373						1							
28F1223						1		2		2			
28F1221								1					
28F1219-8										1			
28F1219-3								1					
28F1219-2						1							
28F1218						1		1		1			

PARTS LIST PER ASSY.

REPLACES 28F1222—4-6-36

REPLACED BY

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C

NAVY NOTED

HEAT TREAT | FINISH

DRAFT: BOWLEY 4-6-36 | CHECK: ANDERSON 2-6-37

NAME LEVER ASS'Y.-ARMAMENT MK XLII RACK-ARMING & REL.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

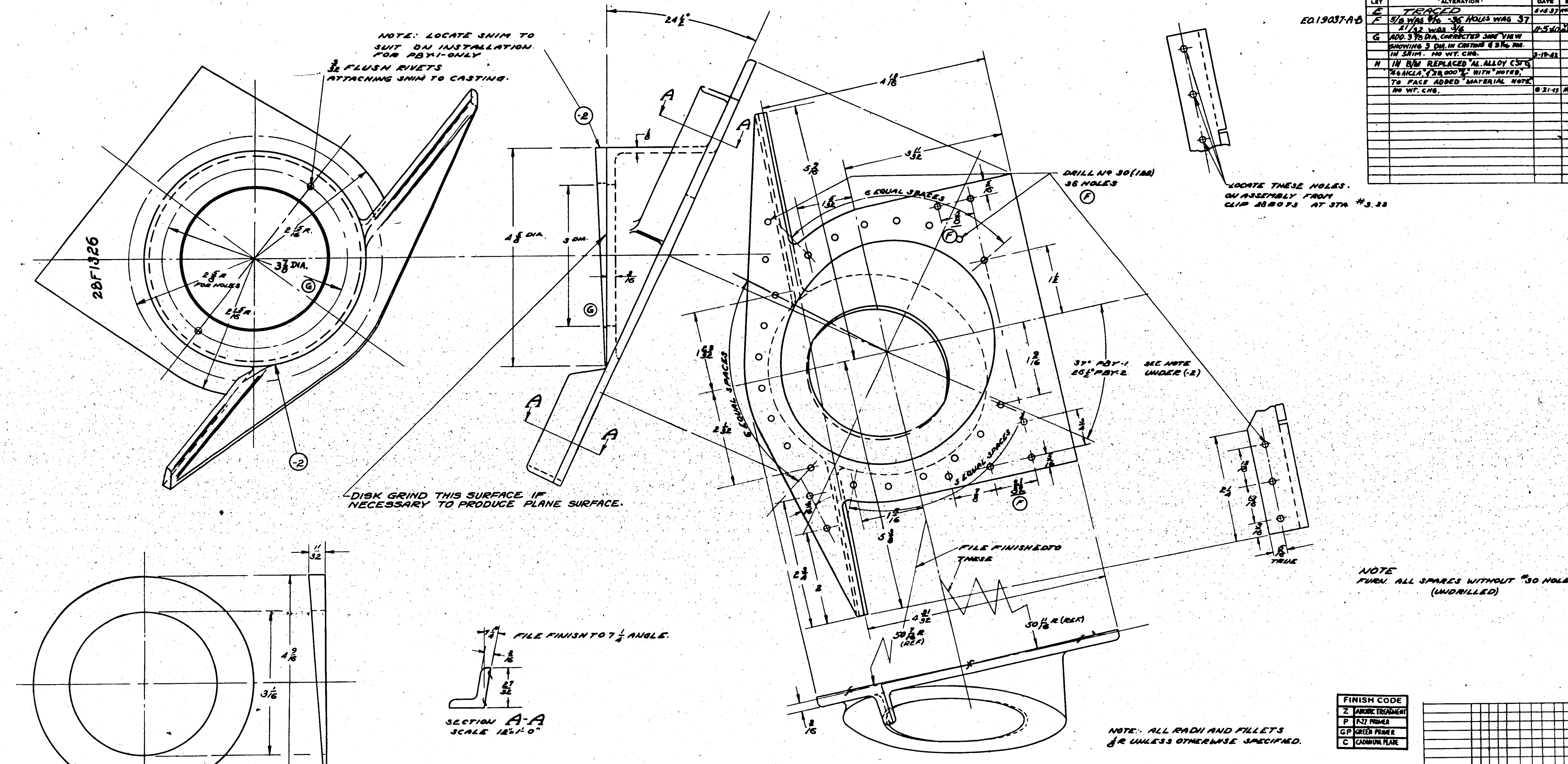
SIZE G | 28F1222

R

LET	ALTERATION	DATE	BY
E	TRACED	5-15-37	[illegible]
F	5/8 WAS 9/16 -36 HOLES WAS 37		
	21/32 WAS 3/4	11-5-40	[illegible]
G	ADD. 3 7/8 DIA. CORRECTED SIDE VIEW		
	SHOWING 3 DIA. IN CASTING & 3 1/16 DIA.		
	IN SHIM. NO WT. CHG.	3-19-42	
H	IN B/M REPLACED "AL. ALLOY CSTG.		
	46AICLA, & 28,000 #/" WITH "NOTED,"		
	TO FACE ADDED "MATERIAL NOTE."		
	NO WT. CHG.	8-21-43	HODEK

SUPPLIES & EQUIPMENT CLASSIFICATION

EO.19037-A-B



NOTE
FURN. ALL SPARES WITHOUT #30 HOLES (UNDRILLED)

(-2) SHIM
SCALE 12" = 1 FT.
AL. ALLOY BAR (24 ST)

NOTE:
THIS SHIM TO BE USED ON PBY-1 FOR TWIST ANGLE OF 37°
NOT TO BE USED ON PBY-1 FUTURE SPARES. USE SAME CASTING AS CHANGED FOR PBY-2

(H) MATERIAL NOTE:
MATERIAL MAY BE:
1.-AL. ALLOY CASTING, 195T4, SPEC. AN-QQ-A-390 CL1, T.S. 28,000 P.S.I.; OR
2.- AL. ALLOY CASTING, S195T6, SPEC. AN-A-5 CL.2, T.S. 32,000 P.S.I.

NOTE:- ALL RADII AND FILLETS 1/8 R UNLESS OTHERWISE SPECIFIED.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY	REQ.
	28-5 AMN	28F1019	1
	28-5 AMC		1
	28-5 MN		1
	28-5 ME		1
	28-5 MC		1
	28-5 MA		1
	PBY-5B		1
	PBY-5A		1
	PBY-5	28F1019	1
	PBY-4	28F1019	
	PBY-3	28F1019	
	PBY-2	28F1019	
	PBY-1	28F1019	

REQUIREMENTS PER AIRPLANE

PART No.		PBY-1	PBY-2	PBY-3
28F1326-2	1			
28F1326-				
AN425-3-8	2			

PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015 & 1/2°

APPROVED L.C.W. DATE 5-15-37
CALC. WT. .55 — ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NOTED	Z P

DRAFT	CHECK	EXAM.	ENG.
DAVENPORT 4-20-37	[illegible] 6-8-37	CN	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME: ADAPTOR ANTENNA LEADOUT STANDPIPE

OPP. HAND

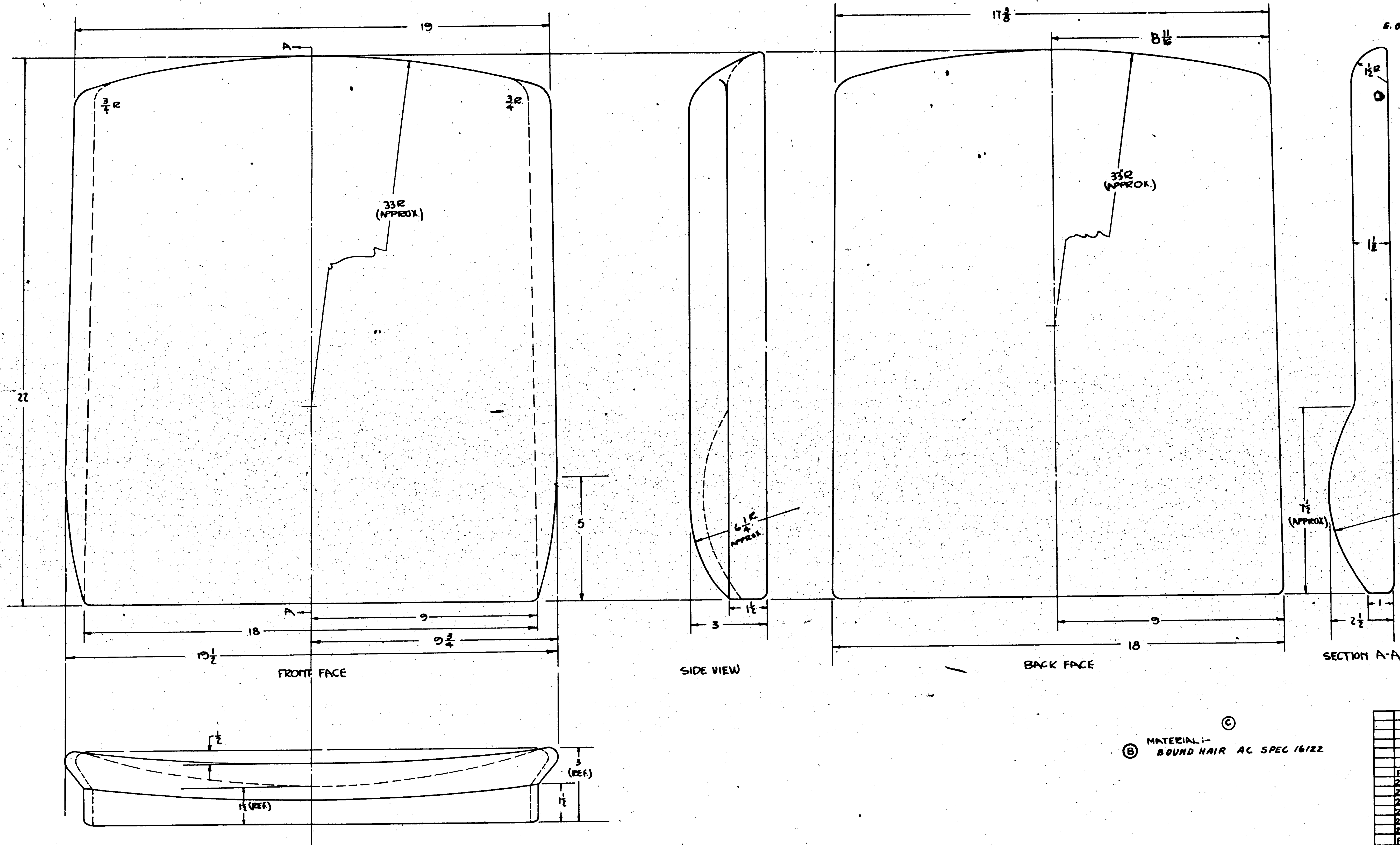
SIZE G 28F1326

R 9791107

LET	ALTERATION	DATE	BY
A	TRACED	5-10-37	F.L.G.
B	CHG'D MAT'L FROM "PARATEX (CURLED HAIR)" TO "HYCAR SPONGE" REMOVED "NOTE" DENSITY------ CALIF".		
C	CHGD MAT'L FROM HYCAR SPONGE TO BOUND HAIR AC SPEC.16-22 WT. CHG. NEG.		

SUPPLIES & EQUIPMENT CLASSIFICATION

E.O. #A57517



(C)

(B) MATERIAL:- BOUND HAIR AC SPEC 16/22

MODEL	NEXT ASSY.	REQ.
PBY-5B	28F1343	2
28-5AMN	28F1343	2
28-5AMC	28F1343	2
28-5MN	28F1343	2
28-5ME	28F1343	2
28-5MC	28F1343	2
28-5MA	28F1343	2
PBY-5A	28F1343	2
PBY-5	28F1343	2
PBY-4	28F1343	
PBY-3	28F1343	
PBY-2	28F1343	
PBY-1	28F1343	
XP3Y-1	28F1343	

REQUIREMENTS PER AIRPLANE — O.H. — ST'D PARTS — LH RH REQ. — PART NO. — LH RH REQ. — PARTS LIST PER ASSY. — MAT.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/8

APPROVED [illegible] DATE 5-10-37

CALC.WT. — ACT.WT.

SCALE 6" = 1'-0"

AC

NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY NOTED	COM'L.	NONE	NONE

DRAFT: ADAMS 5-26-36 — CHECK: 6-8-37 — ENGR.: CH

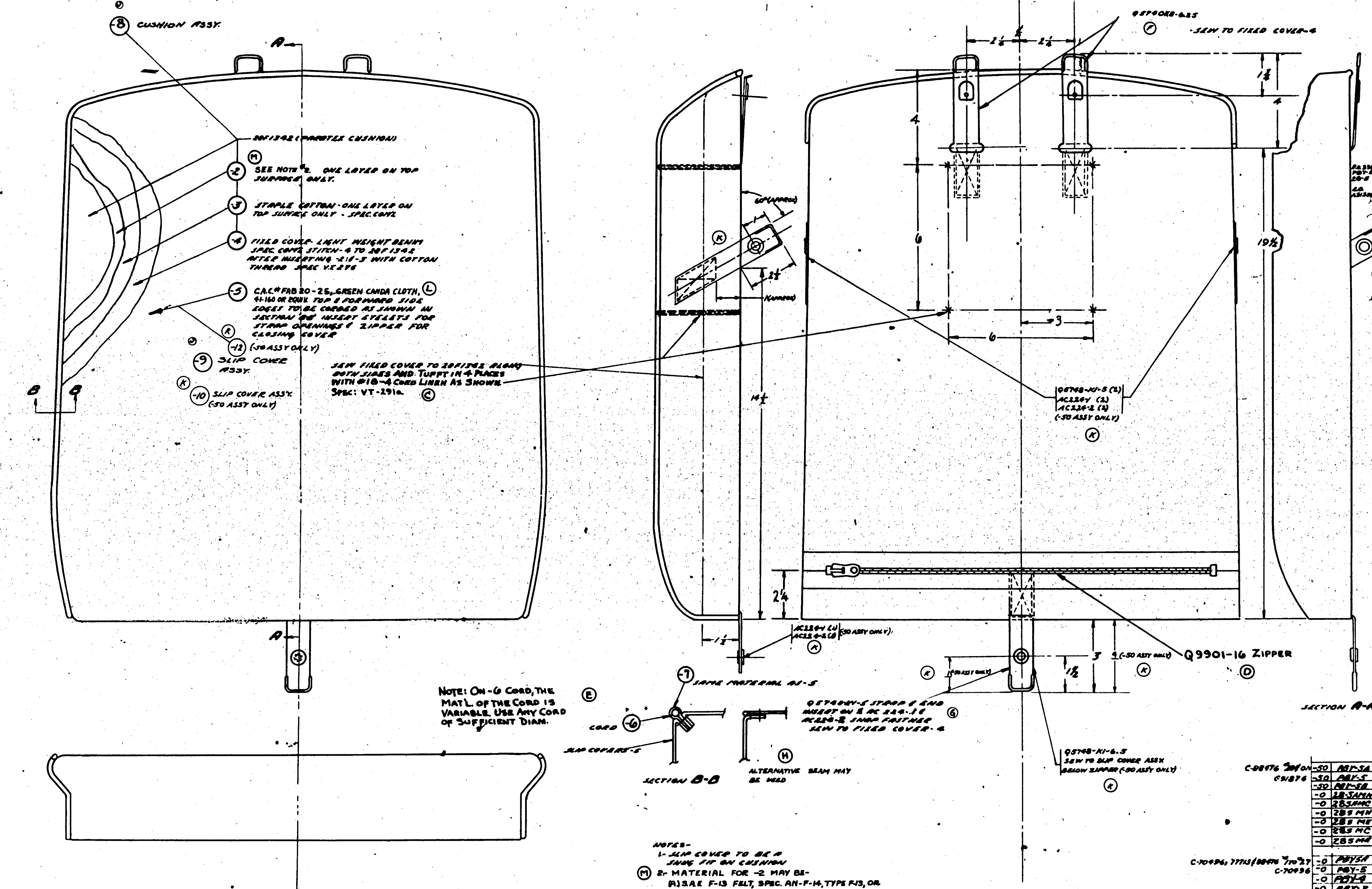
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME: CUSHION - FURNS. PILOT'S SEAT BACK

OPP. HAND

SIZE G 28F134[illegible]



SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
B	TRACED		
C	WORDING WAS: SEW FIXED COVER TO 28F1342 ALONG BOTH SIDES & FRONT AS SHOWN. USE COTTON THD.-SPEC: VT-276. NOW READS: SEW FIXED COVER TO 28F1342 ALONG BOTH SIDES & TUFFT IN 4 PLACES WITH #18-4 CORD LINEN AS SHOWN. SPEC: VT-291a.		
D	ADDED Q9901-16 ZIPPER	"	"
E	GAVE CORD, A -6 NO. ADDED NOTE ON -6 CORD, THE MAT'L OF THE CORD IS VARIABLE. USE ANY CORD OF SUFFICIENT DIAM.	"	"
F	Q5740-K8-6.25 STRAP REPLACES Q5748-K1-6, AC2254	6-22-38	
G	AC225-1 WAS AC225-7 & AC225-2 WAS AC225-6	"	"
H	ALTERNATIVE SEAM ADDED	4-12-41	
	PBY-5 & 28F 1002 ADDED TO A/L		
J	CREATED -8 & -9 SUB ASSY'S.		
K	CREATED -50 ASSY & -10 SUB-ASSY (NO WT. CHG)		
L	MATERIAL FOR -5 "C.A.C." FAB 20-25 --- EQUIV. WAS "BROWN WAXCAD, SPEC. COM'L." WT. CHG. NEG.	8-26-42	
M	ON FACE, FOR -2, REMOVED "CURLED HAIR, SPEC. COMM." ADDED "SEE NOTE #2." ADDED NOTE #2. NO WT. CHG.		

O.H.	MODEL	NEXT ASSY.	REQ.	PARTS	-0	-50
-50	PBY-5A	28F6002	2	Q5748-K1-5		2
-50	PBY-5	28F7002	2	Q5748-K1-6.5		1
-50	PBY-5B	28F7002	2	AC224-2		3
-0	28-5AMH	28F6005	2	AC224-1		3
-0	28-5AMC	28F6005	2	Q9901-16		1
-0	28-5MH	28F5502	2	-7		1
-0	28-5ME	28F5502	2	-6		1
-0	28-5MC	28F5502	2	-5		1
-0	28-5MA	28F5502	2	-10 SUB ASSEM		
-0	PBY-5A	28F6002	2	Q9901-16	1	
-0	PBY-5	28F1002	2	AC224-1	1	
-0	PBY-4	28F1002	2	AC224-2	1	
-0	PBY-3	28F1002	2	Q5740K8-6.25	2	
-0	PBY-2	28F1002	2	Q5748-K1-5	2	
-0	PBY-1	28F1002	2	-7	1	
				-6	1	
				28F1345-3	1	
				-9 SUB ASSEM		
				28F1342	1	1
				-4	1	1
				-3	1	1
				28F1343-2	1	1
				-8 SUB ASSEM		
				-10 SUB ASSY		1
				-9 SUB ASSY.	1	
				-8 SUB ASSY	1	1

REQUIREMENTS PER AIRPLANE

C-88476 28F1011-50; C-91876; C-70496, 77713/88476 7/10/27; C-70496

REPLACES		APPROVED	DATE
REPLACED BY		CALC.WT. 2.05	ACT.WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/8	SCALE 6" = 1'0"	

AC				
NAVY NOTED	NOTED	NONE	NONE	DRAFT / CHECK / EXAM
MATERIAL	SPEC.	HEAT TREAT	FINISH	

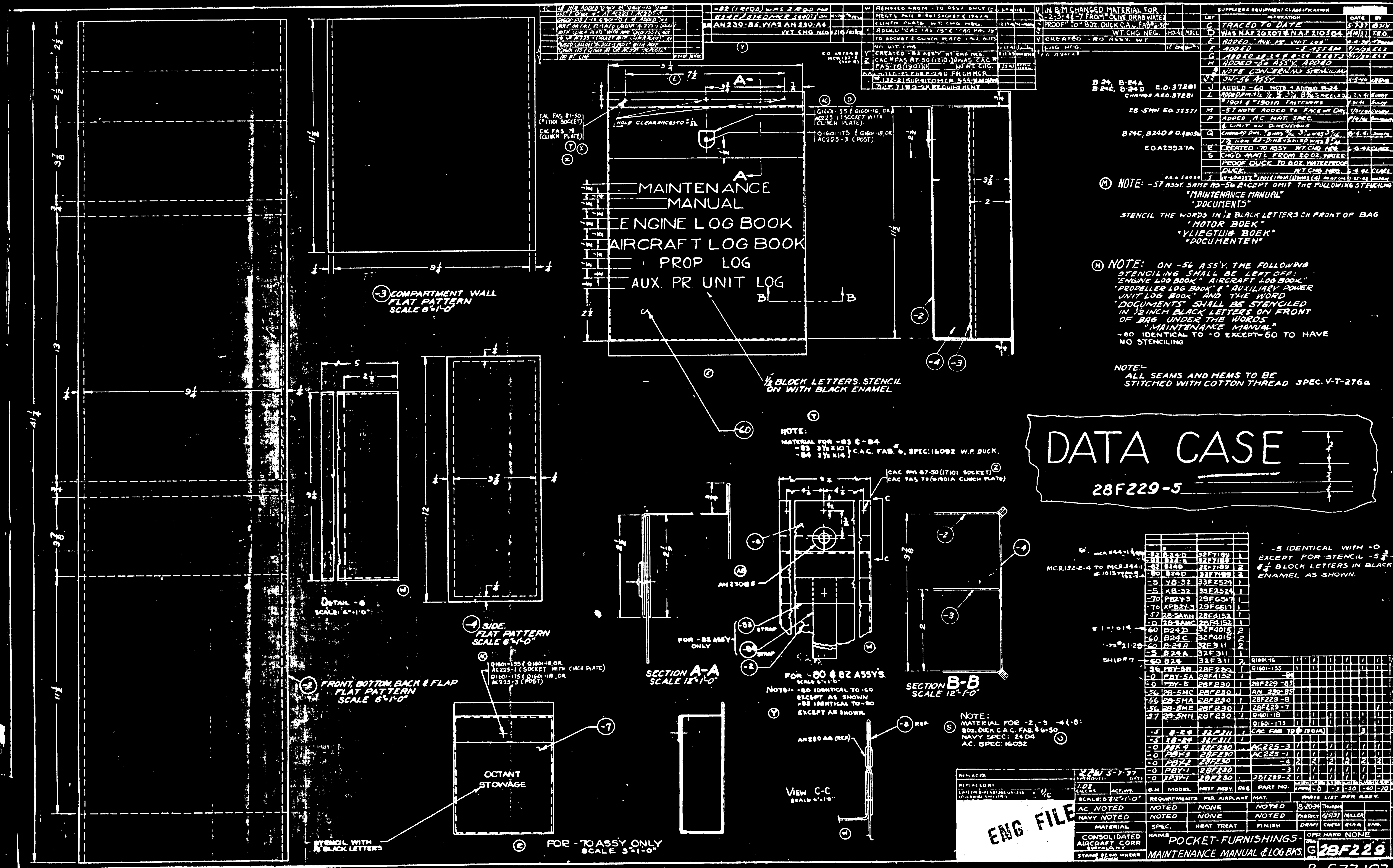
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

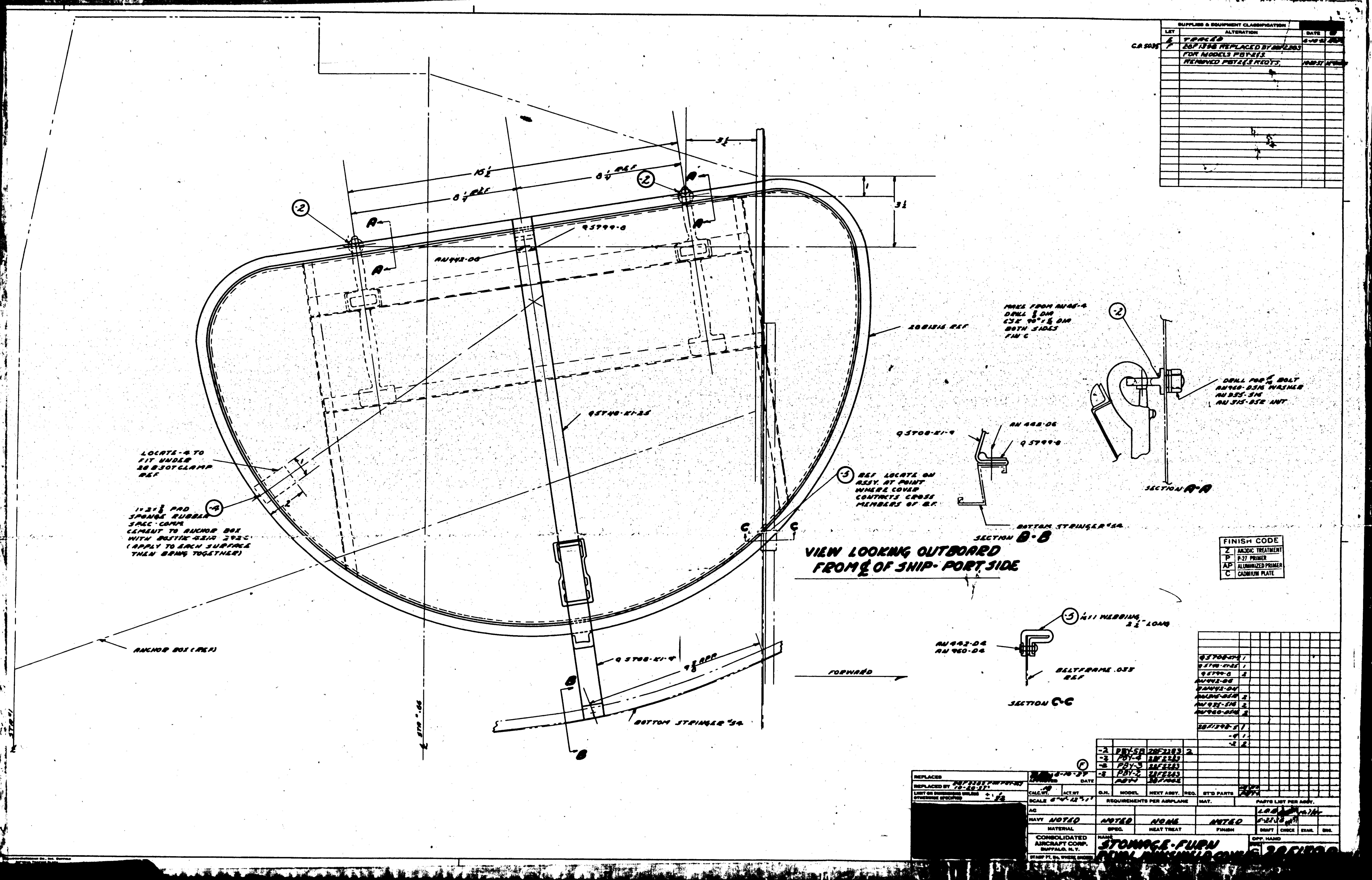
NAME: CUSHION ASSY FUNNEL - PILOTS SEAT BACK

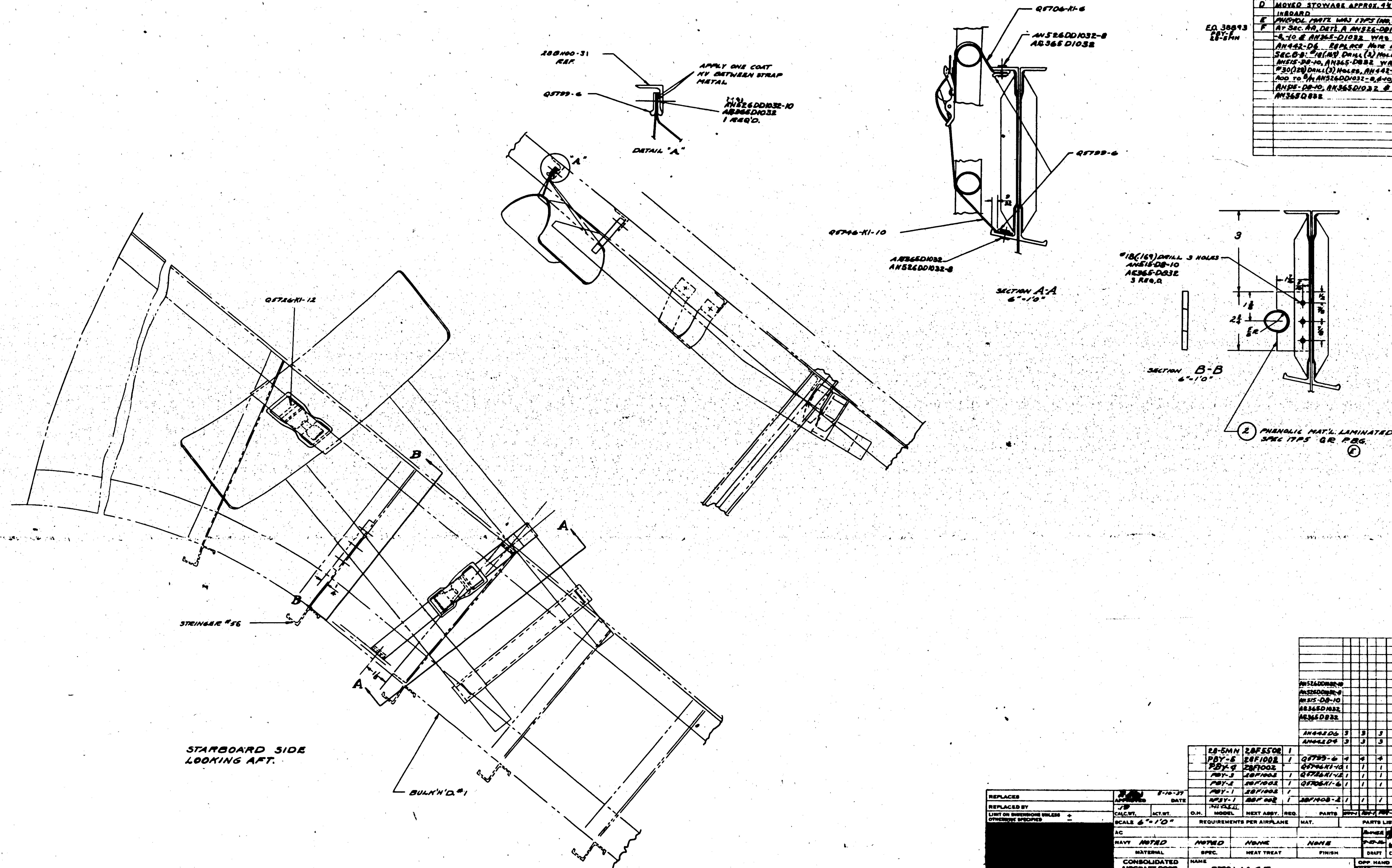
OPP. HAND

SIZE G 28F134[illegible]



DATA CASE
28F229-5
MAINTENANCE MANUAL
ENGINE LOG BOOK
AIRCRAFT LOG BOOK
PROP LOG
AUX. PR. UNIT LOG
-3 COMPARTMENT WALL FLAT PATTERN SCALE 6"=1'-0"
-4 SIDE FLAT PATTERN SCALE 6"=1'-0"
-2 FRONT, BOTTOM, BACK & FLAP FLAT PATTERN SCALE 6"=1'-0"
½ BLOCK LETTERS STENCIL ON WITH BLACK ENAMEL
SECTION A-A SCALE 12"=1'-0"
SECTION B-B SCALE 12"=1'-0"
OCTANT STOWAGE
STENCIL WITH ½ BLACK LETTERS
FOR -70 ASSY ONLY SCALE 3"=1'-0"
FOR -80 & 82 ASSYS.
NOTE: MATERIAL FOR -2, -3, -4 (-8): 8oz. DUCK C.A.C. FAB. 6-30 NAVY SPEC. 24D4 AC. SPEC. 16092
NOTE: MATERIAL FOR -83 & -84 -83 3½ x 10 -84 3½ x 14 C.A.C. FAB. 6, SPEC. 16092 W.P. DUCK.
NOTE: -57 ASSY. SAME AS -56 EXCEPT OMIT THE FOLLOWING STENCILING "MAINTENANCE MANUAL" "DOCUMENTS"
STENCIL THE WORDS IN ½ BLACK LETTERS ON FRONT OF BAG "MOTOR BOEK" "VLIEGTUIG BOEK" "DOCUMENTEN"
NOTE: ON -56 ASS'Y. THE FOLLOWING STENCILING SHALL BE LEFT OFF: "ENGINE LOG BOOK" "AIRCRAFT LOG BOOK" "PROPELLER LOG BOOK" & "AUXILIARY POWER UNIT LOG BOOK" AND THE WORD "DOCUMENTS" SHALL BE STENCILED IN ½ INCH BLACK LETTERS ON FRONT OF BAG UNDER THE WORDS "MAINTENANCE MANUAL"
-60 IDENTICAL TO -0 EXCEPT -60 TO HAVE NO STENCILING
NOTE:- ALL SEAMS AND HEMS TO BE STITCHED WITH COTTON THREAD SPEC. V-T-276a
-5 IDENTICAL WITH -0 EXCEPT FOR STENCIL -5 & ½ BLOCK LETTERS IN BLACK ENAMEL AS SHOWN.
CONSOLIDATED AIRCRAFT CORP
POCKET-FURNISHINGS-MAINTENANCE MANUAL & LOG BKS.
ENG FILE
28F229


SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
TRACED
28F1398 REPLACED BY 28F2283
FOR MODELS PBY-2&3
C.A.5035
VIEW LOOKING OUTBOARD FROM ℄ OF SHIP - PORT SIDE
SECTION A-A
SECTION B-B
SECTION C-C
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
FORWARD
BOTTOM STRINGER #24
ANCHOR BOX (REF)
REPLACES
REPLACED BY
CALC. WT.
ACT. WT
SCALE
APPROVED
DATE
O.H.
MODEL
NEXT ASSY.
REQ.
STD PARTS
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
NAVY NOTED
NOTED
NONE
NOTED
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
NAME
STOWAGE-FURN
OPP. HAND



SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
C	TRACED	9-10-37	
D	MOVED STOWAGE APPROX. 4½" INBOARD	9-28-37	
E	PHENOL. MAT'L WAS 17P5 (NO. 6C)	1-11-38	
F	AT SEC. AA, DET'L. A AN526-DD1032-8, -10 & AN365-D1032 WAS AN442-D6. REPLACE NOTE AT SEC. B-B: #18(.169) DRILL (3) HOLES AN515-D8-10, AN365-D832 WAS #30(.128) DRILL (3) HOLES, AN442-D4. ADD TO B/M AN526DD1032-8 & -10, AN515-D8-10, AN365D1032 & AN365D832	4-30-41	

O.H.	MODEL	NEXT ASSY.	REQ.
	28-5MN	28F5502	1
	PBY-5	28F1002	1
	PBY-4	28F1002	
	PBY-3	28F1002	1
	PBY-2	28F1002	1
	PBY-1	28F1002	1
	XP3Y-1	28F002	1

REQUIREMENTS PER AIRPLANE

PARTS						
AN526DD1032-10						1
AN526DD1032-8						2
AN515-D8-10						3
AR365D1032						3
AR365D832						3
AN442D6	3	3	3	3	3	
AN442D4	3	3	3	3	3	
Q5799-6	4	4	4	4	4	4
Q5746K1-10	1	1	1	1	1	1
Q5726K1-12	1	1	1	1	1	1
Q5706K1-6	1	1	1	1	1	1
28F1408-2	1	1	1	1	1	1

PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±

APPROVED DATE 9-10-37

CALC. WT. | ACT. WT.

SCALE 6"=1'0"

MAT.

AC

NAVY NOTED — MATERIAL | NOTED — SPEC. | NONE — HEAT TREAT | NONE — FINISH

DRAFT | CHECK | EXAM | ENG.

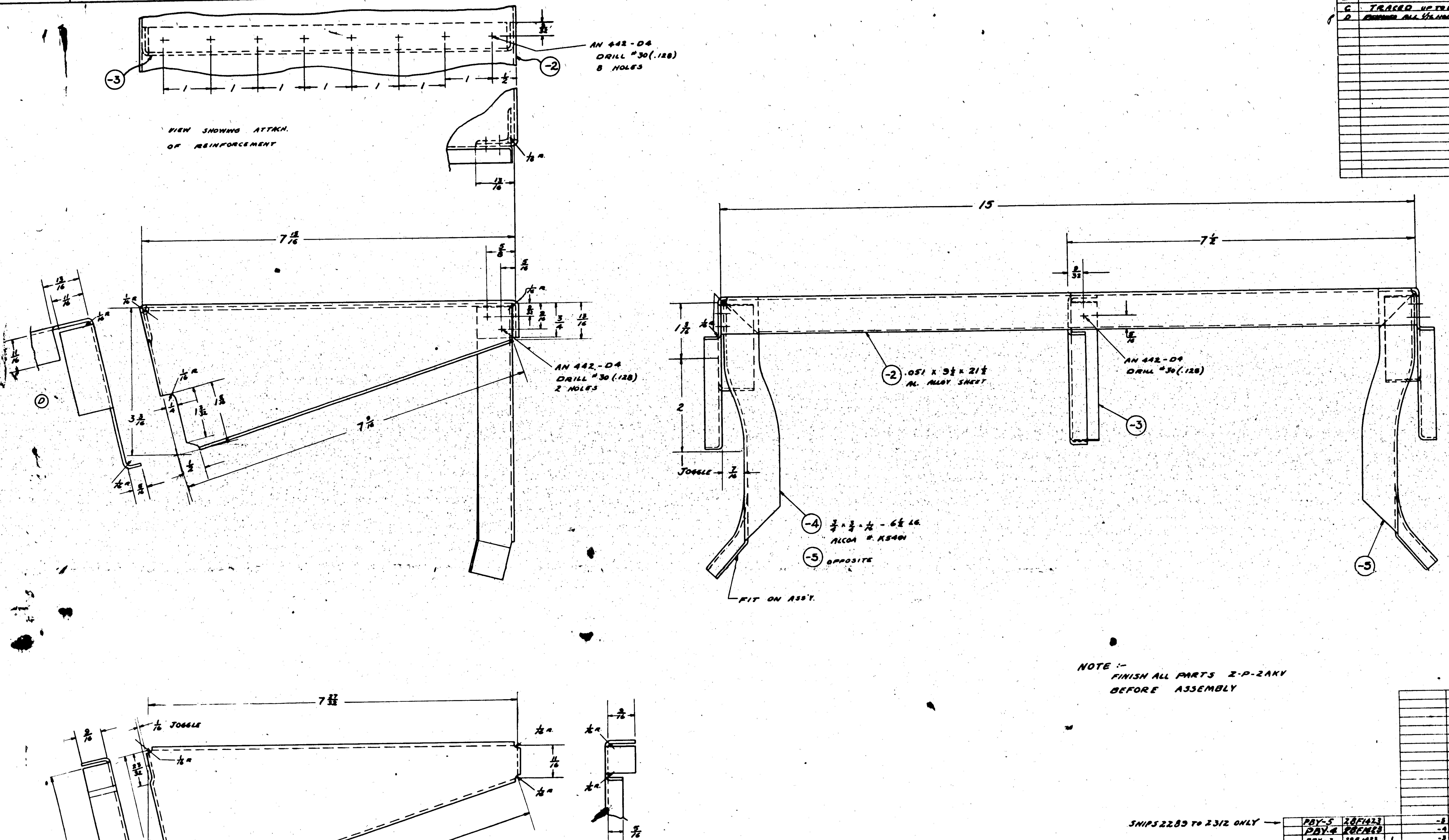
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

NAME: STOWAGE — BOMBERS BACK REST

OPP. HAND

DWG. SIZE G 28F1408



NOTE :-
FINISH ALL PARTS Z-P-2AKV
BEFORE ASSEMBLY

ALL AL ALLOY SHEET SPEC 47A10 COND. A ALLOY 24A EXCEPT AS NOTED
ALL AL ALLOY EXTRUSIONS SPEC 46A8 COND. A ALLOY 24A EXCEPT AS NOTED
HEAT TREAT ALL COND. A MATERIAL PER SPEC. 5R53 COND. T
RIVETS ARE AL ALLOY EXCEPT AS NOTED

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
C	TRACED UP TO DATE	5-18-37	[illegible]
D	[illegible] ALL 1/8 HOLES	[illegible]	[illegible]

SHIPS 2289 TO 2312 ONLY →

O.H.	MODEL	NEXT ASSY.	REQ.	PARTS
	PBY-5	28F1423		-5
	PBY-4	28F1423		-4
	PBY-3	28F1423	1	-3
	PBY-2	28F1423	1	28F1423 -2
	PBY-1	28F1423	1	
	XP3Y-1	28F1423	1	AN 442-D4

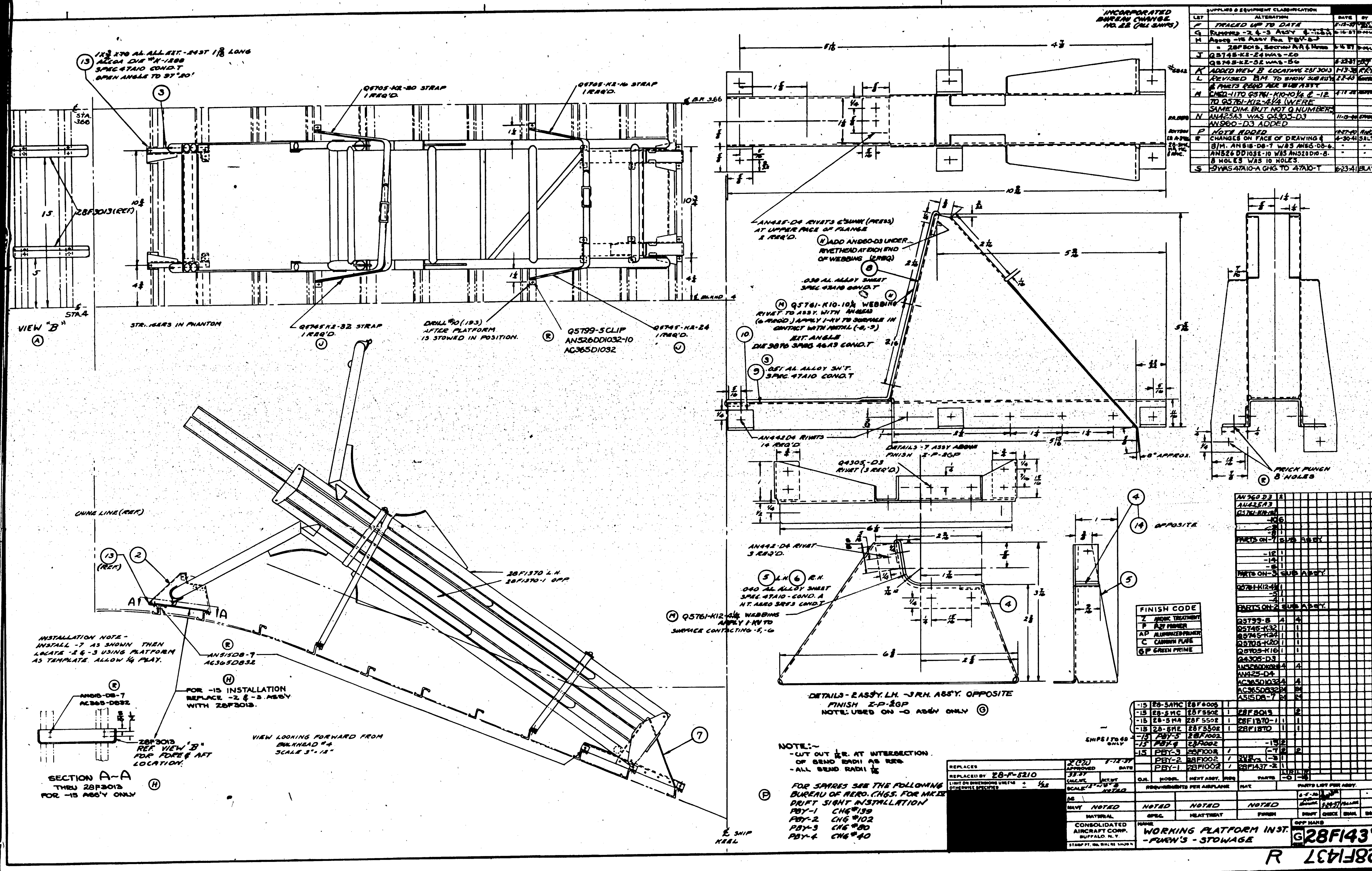
REQUIREMENTS PER AIRPLANE

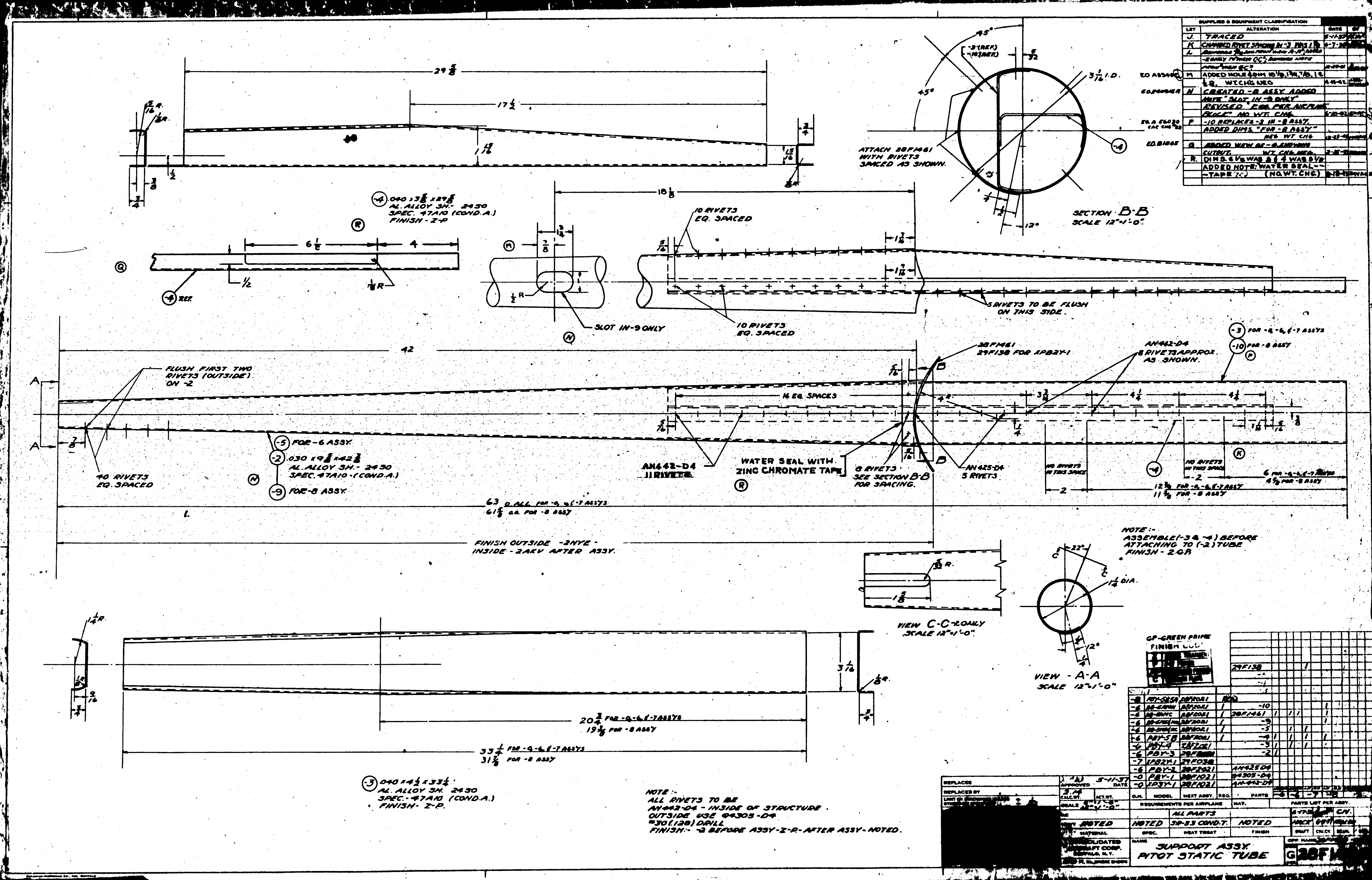
REPLACES 28F035 of 4-12-35
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
APPROVED [illegible] DATE 5-18-37
CALC. WT. .413 ACT. WT.
SCALE 12" = 1'-0"
MATERIAL: NAVY NOTED — SPEC.: NOTED — HEAT TREAT: NOTED — FINISH: NOTED
DRAFT 6-5-36 — CHECK 6-8-37 — EXAM.
PARTS LIST PER ASSY.
OPP. HAND

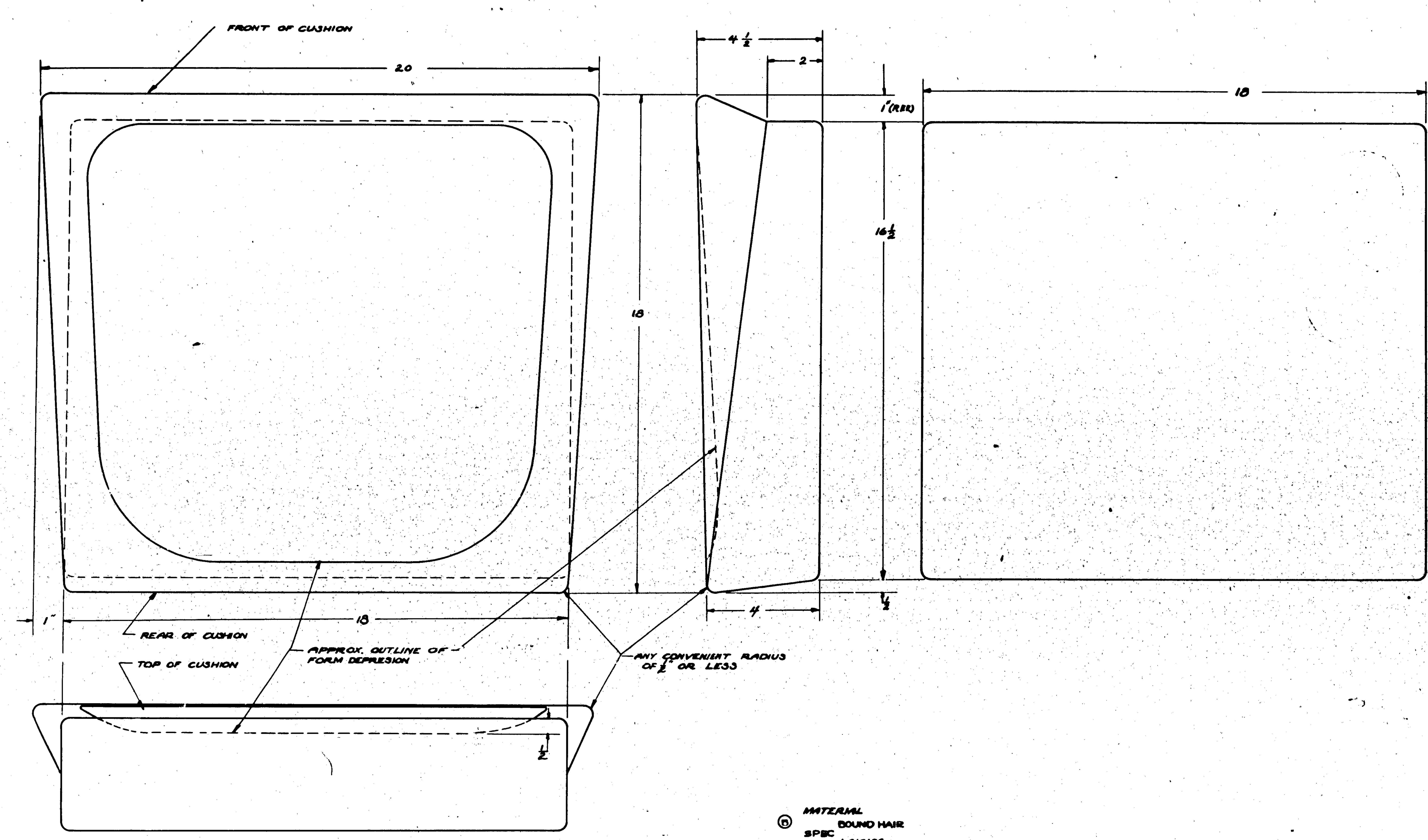
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: KNEE REST - FURN. BOMBER'S

G 28F1423


INCORPORATED BUREAU CHANGE NO. 22 (ALL SHIPS)
VIEW "B"
STRINGERS IN PHANTOM
Q5705-K2-20 STRAP 1 REQ'D.
Q5705-K2-16 STRAP 1 REQ'D.
Q5745-K2-32 STRAP 1 REQ'D.
Q5745-K2-24 1 REQ'D.
28F3013(REF)
DRILL #10 (.193) AFTER PLATFORM IS STOWED IN POSITION.
Q5799-5 CLIP
AN526DD1032-10
AC365D1032
CHINE LINE (REF.)
28F1370 L.H.
28F1370-1 OPP.
INSTALLATION NOTE - INSTALL -7 AS SHOWN THEN LOCATE -2 & -3 USING PLATFORM AS TEMPLATE. ALLOW 1/4 PLAY.
AN515D8-7
AC365D832
FOR -15 INSTALLATION REPLACE -2 & -3 ASSY WITH 28F3013.
28F3013 REF. VIEW "B" FOR FORE & AFT LOCATION.
SECTION A-A THRU 28F3013 FOR -15 ASS'Y ONLY
VIEW LOOKING FORWARD FROM BULKHEAD #4 SCALE 3" = 12"
AN425-D4 RIVETS C'SUNK (PRESS) AT UPPER FACE OF FLANGE 2 REQ'D.
ADD AN960-D3 UNDER RIVETHEAD AT EACH END OF WEBBING (2 REQ)
.032 AL. ALLOY SHEET SPEC. 47A10 COND. T
Q5761-K10-10 1/4 WEBBING RIVET TO ASSY. WITH AN442 (6 REQ'D.) APPLY I-KV TO SURFACE IN CONTACT WITH METAL (-8, -9)
EXT. ANGLE DIE 3896 SPEC. 46A3 COND. T
.051 AL. ALLOY SH'T. SPEC. 47A10 COND. T
AN442D4 RIVETS 14 REQ'D.
DETAILS -7 ASSY ABOVE FINISH Z-P-2GP
Q4305-D3 RIVET (3 REQ'D.)
PRICK PUNCH 8 HOLES
AN442-D4 RIVET 3 REQ'D.
.040 AL. ALLOY SHEET SPEC. 47A10 - COND. A H.T. AERO 3R83 COND. T
Q5761-K12-4 1/4 WEBBING APPLY I-KV TO SURFACE CONTACTING -5, -6
DETAILS - 2 ASS'Y. L.H. - 3 R.H. ASS'Y. OPPOSITE FINISH Z-P-2GP NOTE: USED ON -0 ASS'Y ONLY
OPPOSITE
NOTE:- CUT OUT 1/8 R. AT INTERSECTION OF BEND RADII AS REQ. - ALL BEND RADII 1/16
FOR SPARES SEE THE FOLLOWING BUREAU OF AERO. CHGS. FOR MK.III DRIFT SIGHT INSTALLATION PBY-1 CHG #139 PBY-2 CHG #102 PBY-3 CHG #80 PBY-4 CHG #40
FINISH CODE
Z ANODIC TREATMENT
P PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP GREEN PRIME
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
WORKING PLATFORM INST. - FWD'S - STOWAGE
28F1437
REPLACED BY 28-F-5210
R 28F1437


SUPPORT ASSY. PITOT STATIC TUBE
SECTION B-B
SCALE 12"=1'-0"
ATTACH 28F1461 WITH RIVETS SPACED AS SHOWN.
VIEW C-C -2 ONLY
SCALE 12"=1'-0"
VIEW - A-A
SCALE 12"=1'-0"
10 RIVETS EQ. SPACED
5 RIVETS TO BE FLUSH ON THIS SIDE.
SLOT IN -9 ONLY
FLUSH FIRST TWO RIVETS (OUTSIDE) ON -2
40 RIVETS EQ. SPACED
16 EQ. SPACES
AN442-D4 8 RIVETS APPROX. AS SHOWN.
AN442-D4 11 RIVETS
WATER SEAL WITH ZINC CHROMATE TAPE
8 RIVETS SEE SECTION B-B FOR SPACING.
AN425-D4 5 RIVETS
28F1461
29F138 FOR XPB2Y-1
-4 .040 x 3 5/8 x 29 5/8 AL. ALLOY SH. - 24SO SPEC. 47A10 (COND. A.) FINISH - Z-P
-5 FOR -6 ASSY.
-2 .030 x 9 3/8 x 42 3/8 AL. ALLOY SH. - 24SO SPEC. 47A10 - (COND. A.)
-9 FOR -8 ASSY.
-3 FOR -4, -6, & -7 ASSYS
-10 FOR -8 ASSY
-3 .040 x 4 1/2 x 33 1/2 AL. ALLOY SH. 24SO SPEC. - 47A10 (COND. A.) FINISH - Z-P.
FINISH OUTSIDE -2NYE - INSIDE - 2AKV AFTER ASSY.
NOTE :- ASSEMBLE (-3 & -4) BEFORE ATTACHING TO (-2) TUBE FINISH - 2.C.P.
NOTE :- ALL RIVETS TO BE AN442-D4 - INSIDE OF STRUCTURE. OUTSIDE USE 84305-D4 #30 (.128) DRILL FINISH:- -2 BEFORE ASSY - Z-P - AFTER ASSY - NOTED.
TRACED
CREATED -8 ASSY. ADDED NOTE "SLOT IN -9 ONLY"
-10 REPLACES -3 IN -8 ASSY.
ADDED DIMS. "FOR -8 ASSY"
ADDED NOTE: WATER SEAL - TAPE
NOTED
ALL PARTS
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.



(B) MATERIAL BOUND HAIR
SPEC A.C.16122

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED	[illegible]	[illegible]
B	CHG'D "PARATEX (CURLED HAIR)" MAT'L TO "BOUND HAIR"; SPEC FROM COMM. TO AC.16122; REMOVED NOTE "DENSITY ---- - FT.". WT CHG NEG	5-[illegible]	[illegible]
C	REMOVED FROM FACE OF DWG. - COIL SPRING, LOCATIONS, & NOTES: 12 COIL SPRINGS .... AS SHOWN. - AND - INSERTED COIL SPRINGS .... NEG. WT CHG.	7-28-[illegible]	[illegible]

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS
	PBY-5B	28F1487	2	
	28-5AMN	28F1487	2	
	28-5AMC	28F1487	2	
	28-5MN	28F1487	2	
	28-5ME	28F1487	2	
	28-5MC	28F1487	2	
	28-5MA	28F1487	2	
	PBY-5A	28F1487	2	
	PBY-5	28F1487	2	
	PBY-4	28F1487		
	PBY-3	28F1487		
	PBY-2	28F1487		
	PBY-1	28F1487		

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/[illegible]

APPROVED [illegible] DATE 5-14-37
CALC.WT. [illegible] ACT.WT.
SCALE 6" = 1'-0"
AC
NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NONE	NONE

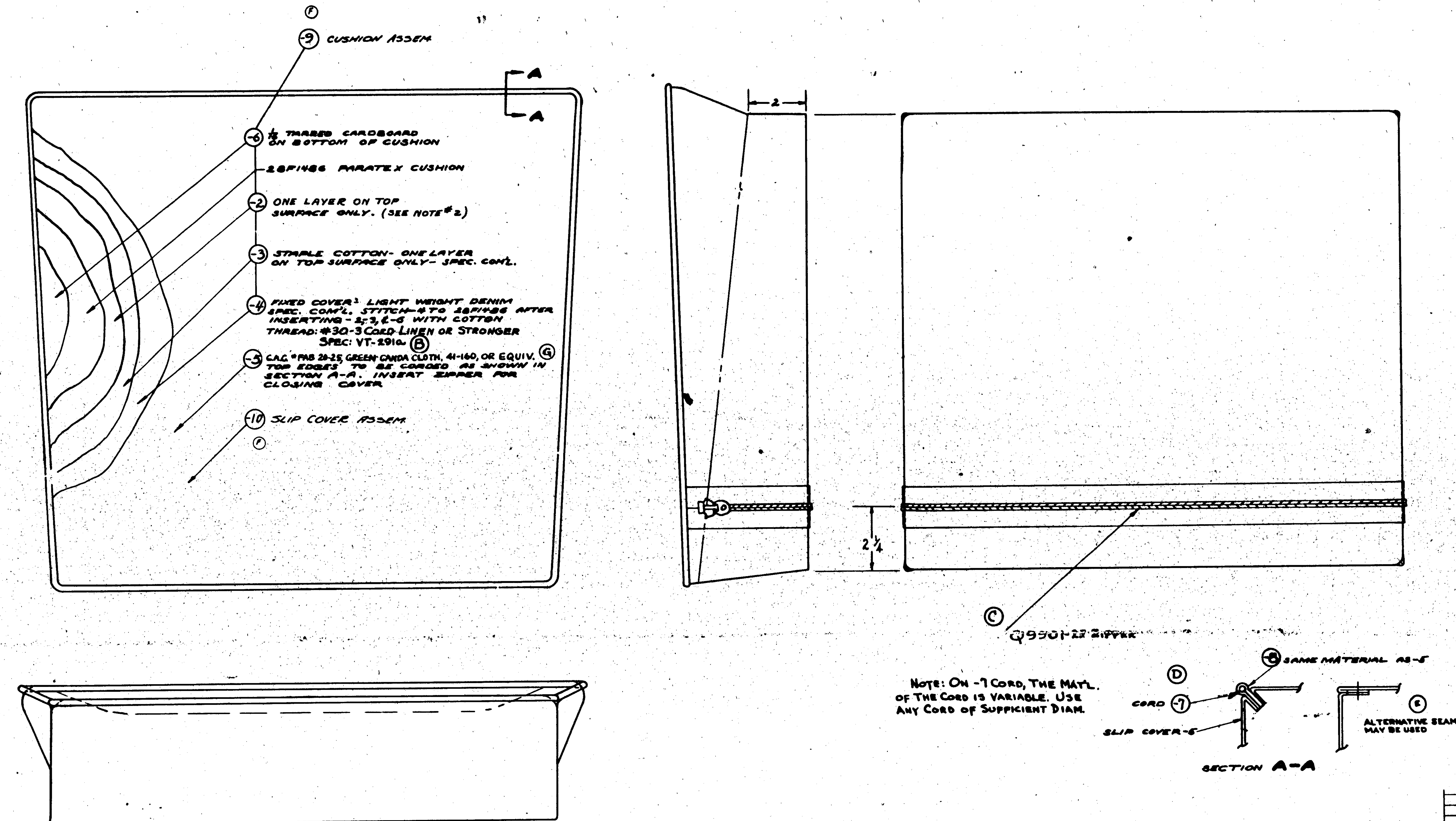
DRAFT	CHECK	EXAM.	ENG.
[illegible] 6-27-36	[illegible] 6-1937	[illegible]	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

NAME: CUSHION - FURN'S. - PILOTS SEAT

OPP. HAND

DWG. SIZE G 28F1486



SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED		
B	THD. SPEC. WAS VT-276; NOW THD. IS #30-3 CORD LINEN OR STRONGER- SPEC: VT-291a.	11/5/37	
C	ADDED Q9901-25 ZIPPER	11/5/37	"
D	GAVE CORD, A -7 NO. ADDED NOTE: ON -7 CORD, THE MAT'L OF THE CORD IS VARIABLE. USE ANY CORD OF SUFFICIENT DIAM.	"	"
E	ADDED NOTE: "ALTERNATIVE SEAM MAY BE USED" AND VIEW TO FACE OF DRW'G.		
F	CREATED -9 & -10 SUB ASSY.		
G	MAT'L. FOR -5 & -8: "C.A.C. FAB 20-25 ---OR EQUIV." WAS "BROWN WHIPCORD, SPEC. COM'L". WT. CHG. NEG.	11-26-42	
H	ON FACE, FOR -2, REMOVED "CURLED HAIR-SPEC. COMM." ADDED NOTE "2" NO EX. CAC		

E.A. 23688
PBY-5
28-5

NOTES-
1- SLIP COVER TO BE A SNUG FIT ON CUSHION
(H) 2- MATERIAL FOR -2 MAY BE-
(A) S.A.E. F-13 FELT, SPEC. AN-F-14, TYPE F-13, OR
(B) KAPOK SALVAGED FROM SCRAP

O.H.	MODEL	NEXT ASSY.	REQ.	PARTS	
				Q9901-25	1
				-8	1
				-7	1
	28 5AMN	28F6005	2	28F1487-5	1
	28 5AMC	28F6005	2	-10 SUB ASSEM.	
	28 5MN	28F5502	2		
	28 5MG	28F5502	2	28F1486	1
	28 5MA	28F5502	2	-6	1
	28 5MC	28F3502	2	-4	1
	PBY-5B	28F7002	2	-3	1
	PBY5A	28F6002	2	28F1487-2	1
	PBY5	28F1002	2	-9 SUB ASSEM.	
	PBY-4	28F1002	2		
	PBY-3	28F1002	2		
	PBY-2	28F1002	2	-10 SUB ASSY.	1
	PBY-1	28F1002	2	-9 SUB ASSY.	1

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES	APPROVED 5-10-37 DATE
REPLACED BY	CALC. WT. 5.35 / ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±	SCALE 6" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY NOTED	NOTED	NONE	NOTED

DRAFT 6-29-36 / CHECK 6-10-37 / EXAM

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

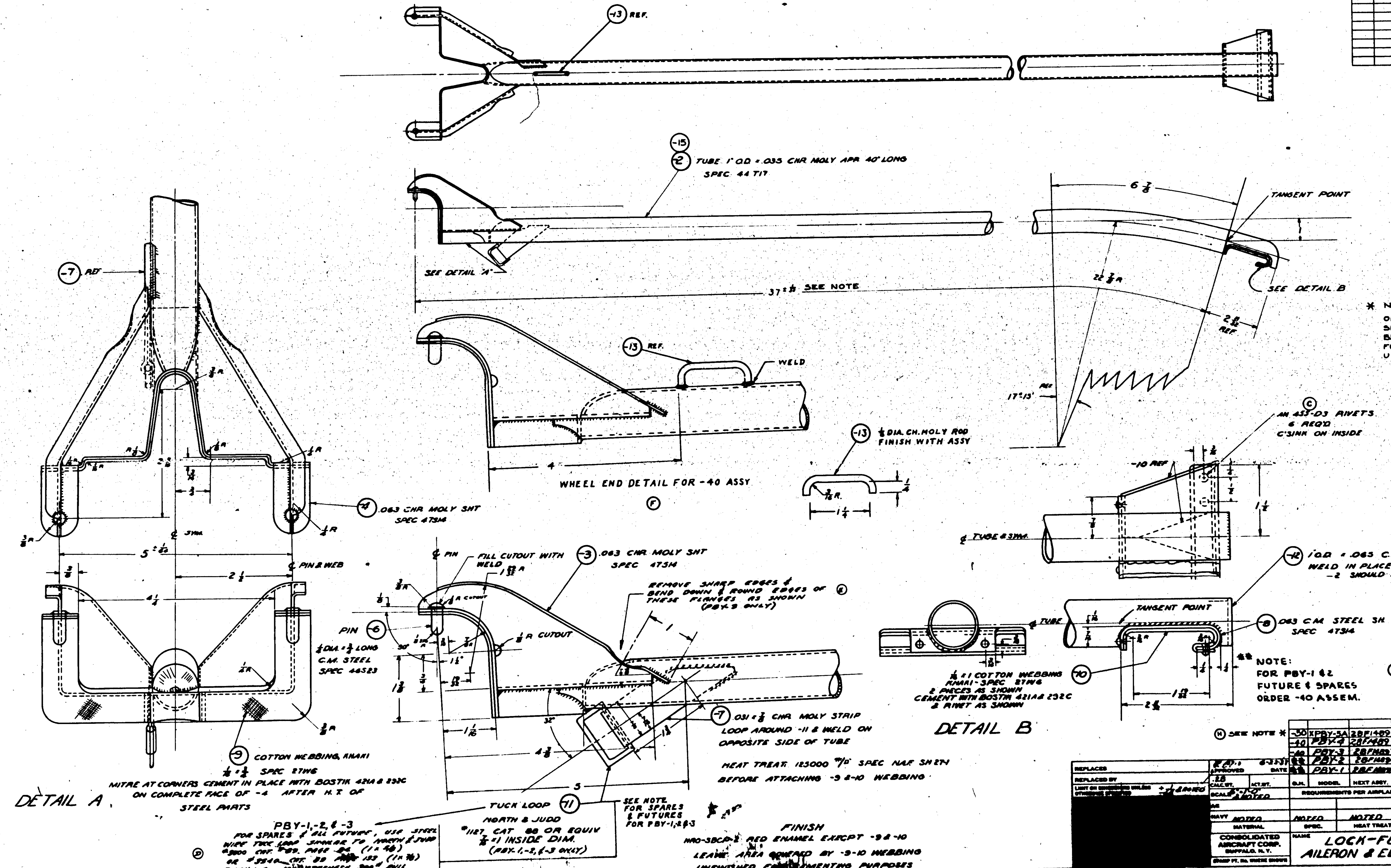
NAME: CUSHION ASSEMBLY— FURNS.- PILOTS SEAT

G 28F1487

28F1487

INCORPORATES
PBY-1 BU. AER. CHG. 6131
PBY-2 " " 691

	LET	ALTERATION	DATE	BY
	B	TRACED	6-23-37	[illegible]
	C	AN455-D3 WAS AN425-D3	1-4-38	[illegible]
C.O. 7205	D	CHANGED SIZE OF -11, &	3-31-38	[illegible]
		ADDED NOTE	"	"
C.O. 7201	E	ADDED NOTE TO BEND	"	"
		FLANGES ON PBY-3 ONLY	"	"
C.O. 2575A	F	ADDED -40 ASSY FOR PBY-4	7-18-38	[illegible]
	G	MADE -40 ASSY EFFECTIVE		
		ON PBY-3	[illegible]	[illegible]
E.O. 12246	H	ASSIGNED -50 FOR SHIP #1	1-3-39	[illegible]



PART NO.						
AN455-D3	6		6			
28F1497-15				1		
28F1497-13			1	1		
28F1497-12	1		1	1		
28F1497-11	1					
28F1497-10	2		2	2		
28F1497-9	1		1	1		
28F1497-8	1		1	1		
28F1497-7	1					
28F1497-6	2		2	2		
28F1497-4	1		1	1		
28F1497-3	1		1	1		
28F1497-2	1		1	1		
			-40	-50		

(H) SEE NOTE *

D.N.	MODEL	NEXT ASSY.	REQ.
-50	XPBY-5A	28F1489	1
-40	PBY-4	28F1489	1
-40	PBY-3	28F1489	1
	PBY-2	28F1489	1
	PBY-1	28F1489	1

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & NOTED
APPROVED DATE 6-23-37
CALC. WT. .28 — ACT. WT.
SCALE 5"-1'0" & NOTED

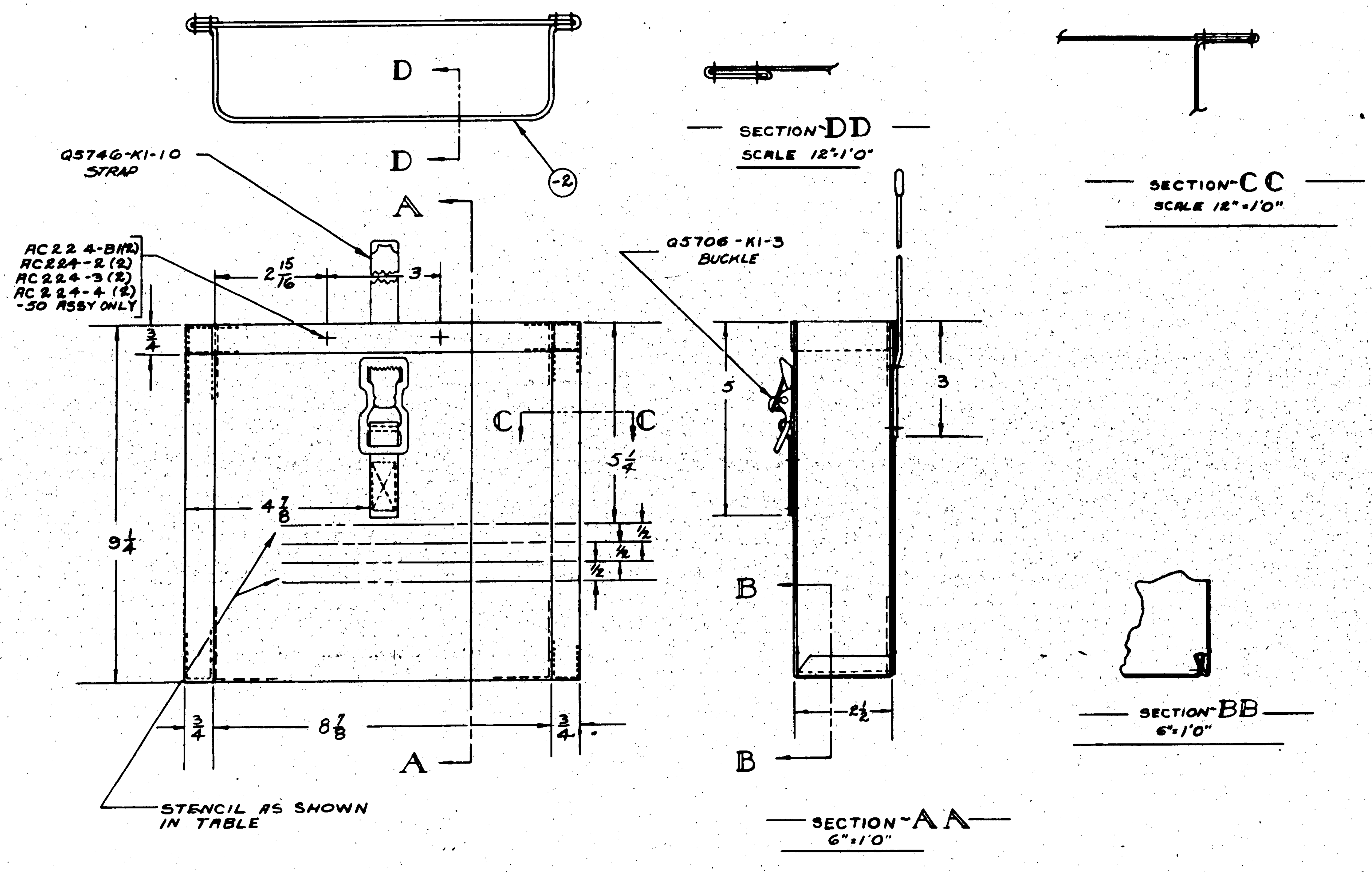
	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NOTED	NOTED	NOTED	NOTED

DRAFT / CHECK / ENGR.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME: LOCK-FURN AILERON & ELEVATOR

G 28F1497



LET	ALTERATION	DATE	BY
Y	REDRAWN	3-30-4?	[illegible]
Z	CREATED -60 SUB-ASSY FOR PB2Y-3 & PB2Y-3R SAME AS -6 SUB-ASSY EXCEPT FOR STENCILING. NO WEIGHT CHANGE.	[illegible]	SHAW
A-A	CHGD. MATL. FROM 8 OZ. DUCK TO FAB-6. IN -50 SUB-ASSY. REPLACED -13 WITH -2. NO WEIGHT CHG.	5-3-4?	[illegible]

MCR NOS. 385 ?R-189

PART No	STENCILING
-3	LIFE JACKET STOWAGE
-3N	ZWEM WEST
-4	TOILET BAG STOWAGE
-4N	TOILET ZAK
-5	BINOCULAR STOWAGE
-6	PENDANT STOWAGE
-7	BLIND FLYING CURTAIN STOWAGE
-8	NOSE WHEEL OPENING COVER STOWAGE
-10	DRIFT SIGHT COVER STOWAGE
-11	OIL TANK WARM UP COVER STOWAGE
-12	INDICATOR PLUG STOWAGE
-50	AUXILIARY POWER PLANT TOOL KIT
-60	DE ICER SUMMER PLUG STOWAGE

APPROVED FOR TOOLING BY
E. E. DALTON
4-20-42

NOTES!
1. ALL ASSEMBLIES IDENTICAL EXCEPT AS NOTED.
2. THREAD / STITCHING TO BE IN ACCORDANCE WITH FEDERAL SPEC: DDD-S-751
3. CAC. FAB-6 MAY BE PURCHASED FROM PANTASOTE CO., INC. NEW YORK, NY, MATERIAL TO BE TEXTASOTE OLIVE DRAB FABRIC DUCK.
4. -60 SUB-ASSY. SAME AS -6 EXCEPT FOR STENCILING.

REMARKS	DASH	MODEL	NEXT ASSY.	REQ.
*R-189	-60	PB2Y-3R	29F8607	1
NOT 385	-60	PB2Y-3	29F8607	1
	-4	XPBY-1	31F165	1
ALL	-50	B24E	32F4578	1
[illegible] ON	-50	B24D	32F9378	1
[illegible]	-12	PBY-5A	28F5908	1
ALL	-11	PB2Y-3	29F6255	1
	-11	XPB2Y-3	29F6255	1
	-10	PB2Y-3	29F3112	1
	-10	XPB2Y-3	29F3112	1
	-8	B24E	32F2235	1
	-8	32MF	32F2235	1
	-8	B24D	32F2235	1
ALL	-8	B24C	32F2235	1
21-29	-8	B24A	32F2235	1
*7 ONLY	-8	B24	32F2235	1
ALL	-7	B24E	32F4044	1
ALL	-7	B24D	32F4044	1
ALL	-7	B24C	32F4044	1
*21-29	-7	B24A	32F1669	1
*7 ONLY	-7	B24	32F1669	1
ALL	-7	PBY-5A	28F5977	1
	-7	PBY-5	28F5977	1
	-6	PB2Y-3	29H3374	1
	-6	XPB2Y-3	29H3374	1
	-6	PB2Y-2	29F1250	1
	-5	28-5MN	28F5692	1
	-5	285MC	28F5692	1
	-5	32MF	32F5011	1
	-5	28-5AMC	28F5692	1
	-5	28-5ME	28F5692	1
	-4N	28-5AMN	28F4089	1
	-4N	285MN	28F4089	1
	-4	Y0-32	33F186	1
ALL	-4	XB32	33F186	1
*1-1349	-4	B24D	32F3211	1
ALL	-4	B24C	32F3211	1
1-39	-4	32MF	32F1???	1
60&ON	-4	32MF	32B1696	1
ALL	-4	B24A	32F2041	1
ALL	-4	B24	32F015	1

REMARKS	ASSY DASH No	MODEL	NEXT ASSY	REQ.
ALL	-4	XB24	32F015	1
NO [illegible]	-4	PB2Y-3R	29F8012	2
[illegible]	-4	PB2Y-3	29F8012	2
[illegible]	-4	PB2Y-3	29F4180	1
ALL	-4	XPB2Y-3	29F4180	1
	-4	PB2Y-2	29F1252	1
	-4	PB2Y-2	29F1221	1
	-4	PBY-5A	28F4089	1
	-4	28-5AMC	28F4089	1
	-4	28-5ME	28F4089	1
	-4	28-5MC	28F4089	1
	-4	28-5MA	28F4089	1
	-4	PBY-5A	28F4089	1
	-4	PBY-5	28F4089	1
	-3N	28-5AMN	28F1521	7
ALL	-3N	28-5MN	28F1521	7
2175 ON	-3	PBY-5	28F1521	8
ALL	-3	PBY-5A	28F5141	8
	-3	28-5AMC	28F5141	7
	-3	28-5ME	28F5141	7
	-3	28-5MC	28F5141	7
	-3	28-5MA	28F5141	7
	-3	PBY-6A	28F5788	1
	-3	285MMC	28F5788	1
	-3	285ME	28F5788	1
	-3	285MC	28F5788	1
	-3	285MA	28F5788	1
	-3	PBY-5A	28F1521	7
ALL [illegible]	-3	PBY-5	28F1521	7

REQUIREMENTS PER AIRPLANE

REPLACES 28F1520 OF 8-4-36 — .96 CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE NOTED 6"=1'0" & F
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
Q5746-K1-10				1				
Q5706-K1-3				1				
-2				1				
-60 SUB-ASSY.								
AC224-4				2				
AC224-3				2				
AC224-2				2				
AC224-B1				2				
-2				1				
-50 SUBASSEMBLY								
Q5746-K1-10				1				
Q5706-K1-3				1				
-2				1				
-6 SUB ASSEMBLY								
-12	MAKE FROM -2							
-11								
-10								
-8								
-7								
-5								
-4N								
-4								
-3N								
-3	MAKE FROM -2							
-2	18X24	CAC FAB-6	2404					

PARTS LIST PER ASSY.

AC		FABBRI	STREIT		BAIRD	[illegible]	MC-[illegible]
NAVY NONE	NONE	3-30-43	4-19-43	GERRIT	CLUSS [illegible]	5-7-43	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUC	MAT	APPRV	ENG

NAME POCKET - FURNS. - LIFE JACKET, - TOILET BAG, & BINOCULAR

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

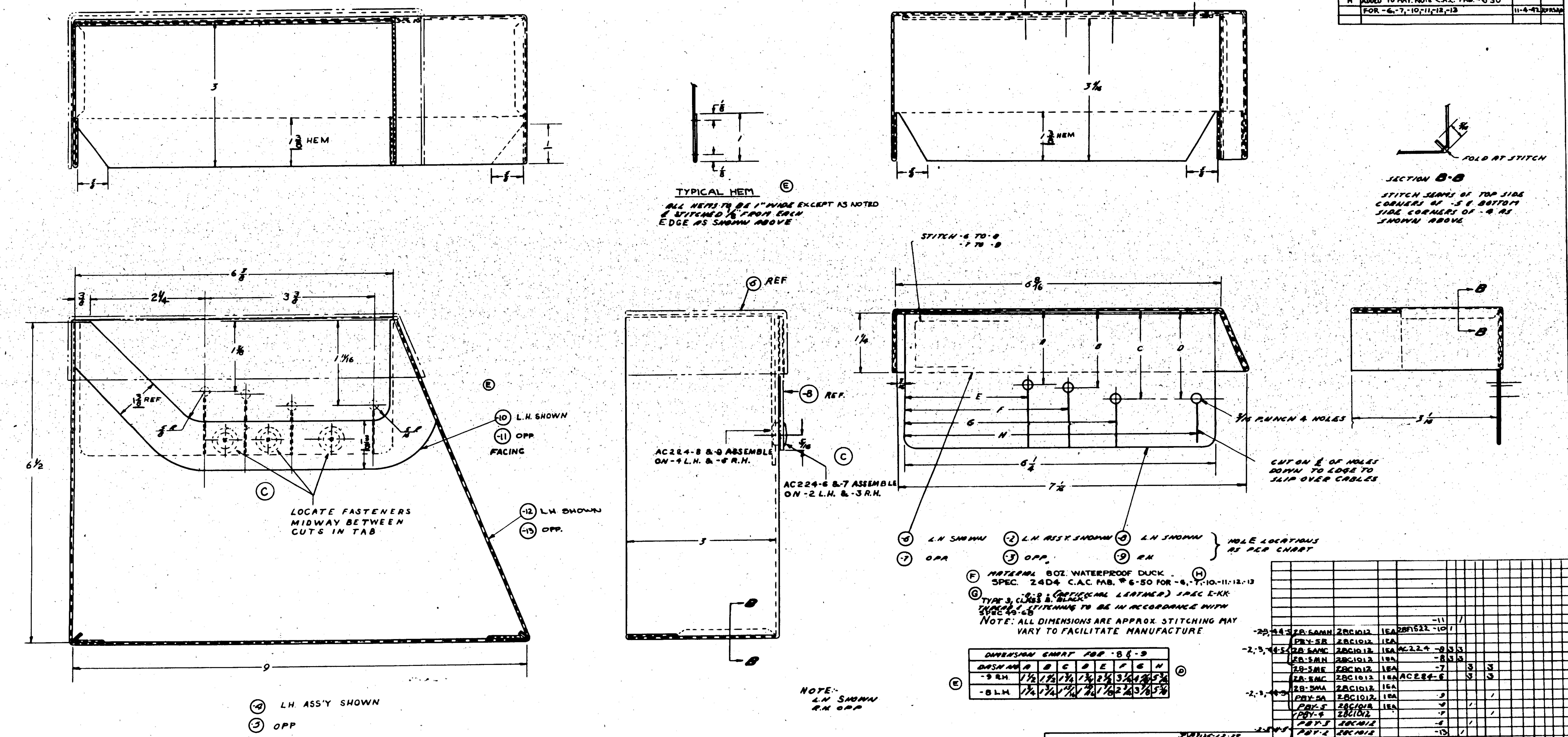
OPP HAND — DWG SIZE G — 28F1520

R 28F1520

INCORPORATES
PBY-1 BU. AER. CHG. #120
PBY-2 " " " 79
PBY-3 " " " 57
PBY-4 " " " 18

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
B	TRACED	5-12-37	R.K.
C	ADDED SNAP FASTENERS	5-16-38	RWS
D	CHG'D DIM IN "DIMENSION CHART FOR -8 & -9". ADDED NOTE "ALL DIM ARE APPROX. STITCHING MAY VARY TO FACILITATE MFG."	4-11-40	[illegible]
E	ASSIGNED -10,-11,-12,-13 TO PARTS; 1 1/16 HEM DIMS. WERE 1; ADDED 1 1/16 DIM. FOR -10 & -11; IN DIM. CHART -8 WAS -9 & -9 WAS -8; CHANGED HEM NOTE	8-20-40	[illegible]
F	CHGD MAT'L FROM "20 OZ. WATERPROOF DUCK" TO "8 OZ. WATERPROOF DUCK", WT CHG NEG	6-2-42	[illegible]
G	MATERIAL FOR -8 & -9 "ARTIFICIAL --- BLACK" WAS "ARTIFICIAL LEATHER SPEC. COMM." WT. CHG. NEG.	10-15-42	[illegible]
H	ADDED TO MAT. NOTE C.A.C. FAB. #6-50 FOR -6,-7,-10,-11,-12,-13	11-4-42	[illegible]



(F) MATERIAL 8OZ. WATERPROOF DUCK. (H) SPEC. 24D4 C.A.C. FAB. #6-50 FOR -6,-7,-10,-11,-12,-13

(G) -8-9 (ARTIFICIAL LEATHER) SPEC E-KK- TYPE 3, CLASS B, BLACK
THREAD & STITCHING TO BE IN ACCORDANCE WITH SPEC 49-6B

NOTE: ALL DIMENSIONS ARE APPROX. STITCHING MAY VARY TO FACILITATE MANUFACTURE

DIMENSION CHART FOR -8 & -9 (D) (E)

DASH NO.	A	B	C	D	E	F	G	H
-9 R.H.	1 1/2	1 1/2	1 3/4	1 3/4	2 1/2	3 1/4	4 [illegible]	5 3/4
-8 L.H.	1 1/4	1 3/4	1 13/16	1 [illegible]/16	1 7/8	2 3/4	3 5/8	5 5/8

MODEL	NEXT ASSY	REQ.	STD	
28-5AMH	28C1012	1EA	28F1522	-11, -10
PBY-5B	28C1012	1EA		
28-5AMC	28C1012	1EA	AC224	-8, -9
28-5MN	28C1012	1EA		-8
28-5ME	28C1012	1EA		-7
28-5MC	28C1012	1EA	AC224-6	
28-5MA	28C1012	1EA		
PBY-5A	28C1012	1EA		-9
PBY-5	28C1012	1EA		-8
PBY-4	28C1012			-7
PBY-3	28C1012			-6
PBY-2	28C1012			-13
PBY-1	28C1012			-12

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	±
APPROVED / DATE	5-12-37
CALC. WT.	.12
SCALE	12" = 1'0"
NAVY MATERIAL	NOTED
SPEC.	NOTED
HEAT TREAT	NONE
FINISH	NONE

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

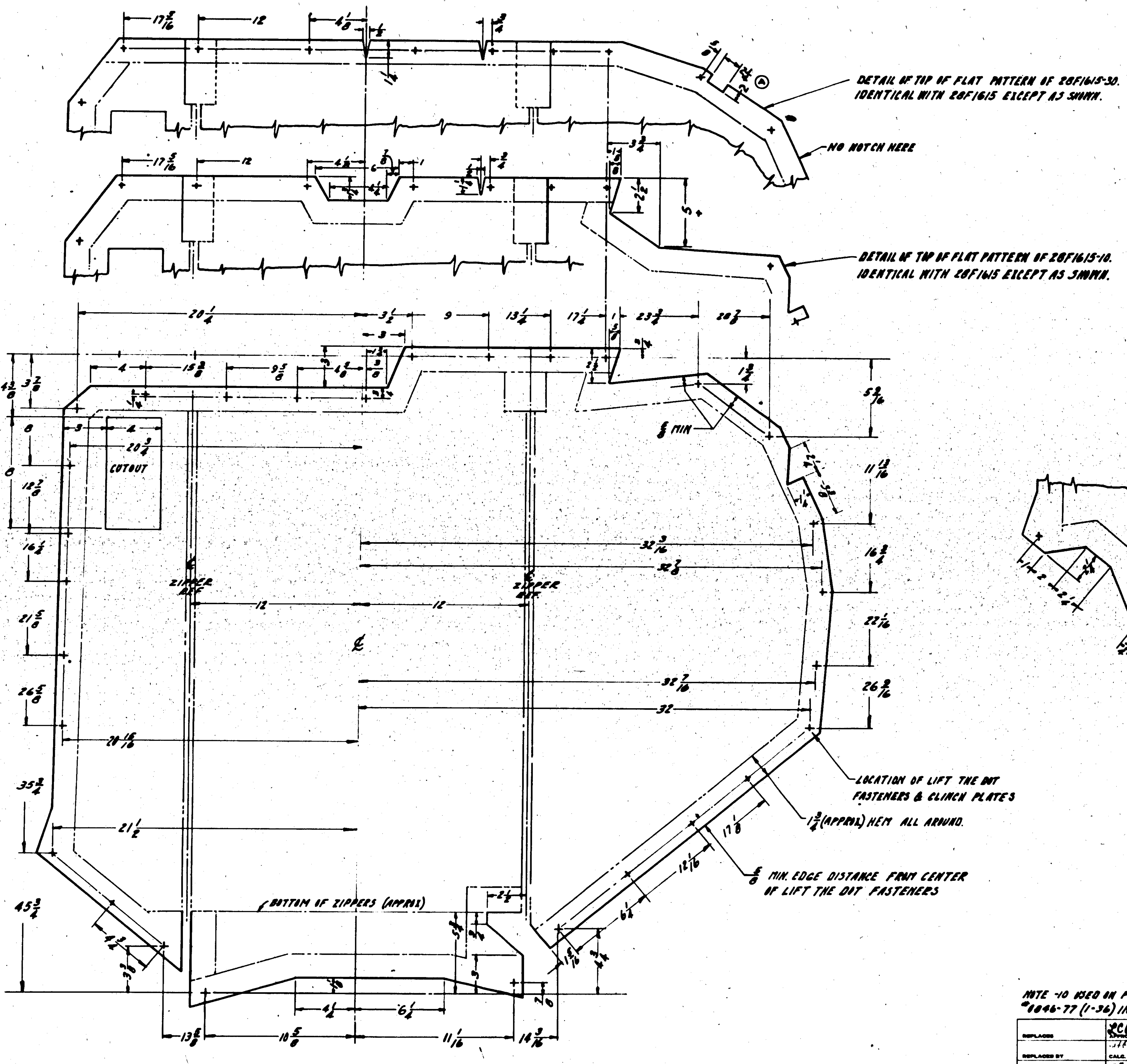
NAME: BOOT-FURN LIGHT SHIELD PULLEYS-BLKD-2

DWG SIZE G — 28F1522

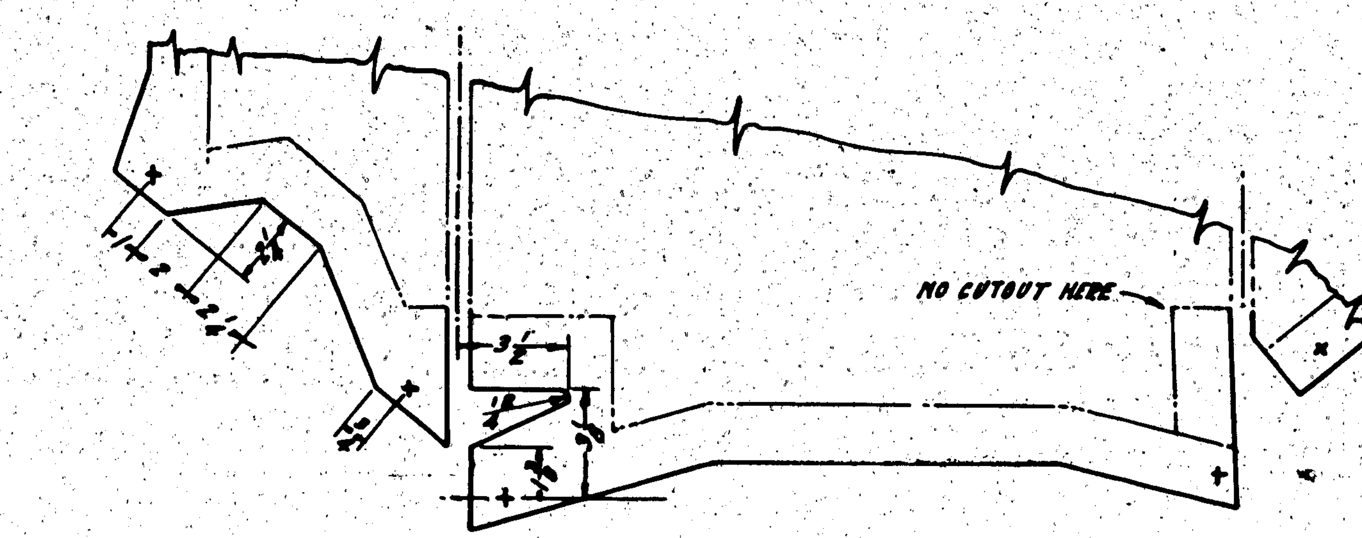
R 28F1522

E.D.C.[o] 14879

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	2 was 6/8 & 2 1/4 was 1 3/8 Face	9-24-41	[illegible]



FLAT PATTERN OF 28F1615



DETAIL OF BOTTOM OF FLAT PATTERN OF 28F1615-10 & -30. IDENTICAL WITH 28F1615 EXCEPT AS SHOWN.

NOTE -10 USED ON PBY-3 #1046-77 (1-36) INCL.

THIS DRAWING IS A FLAT PATTERN ONLY & DOES NOT CALL OUT ANY MATERIAL.

D. N.	MODEL	NEXT ASSY.	REQ.
-30	PBY-5B	28F1618	
-30	PBY-4	28F1618-30	
-30	PBY-3	28F1618-30	
-10	PBY-2	28F1618-10	
	PBY-1	28F1618	

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES — APPROVED LCW — DATE
REPLACED BY — CALC. WT. — ACT. WT.
SCALE 3" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NONE	—	NONE	NONE

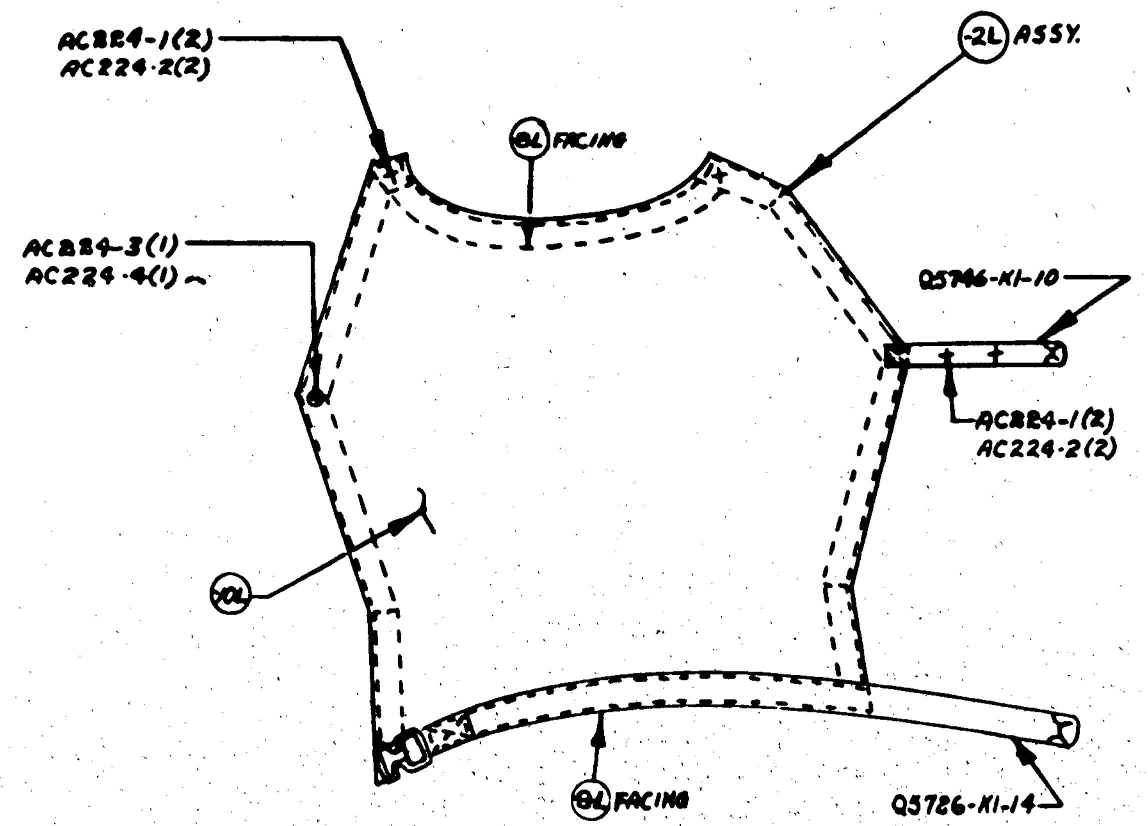
DRAFT: 4-4-38 [illegible] — CHECK — EXAM.: [illegible]

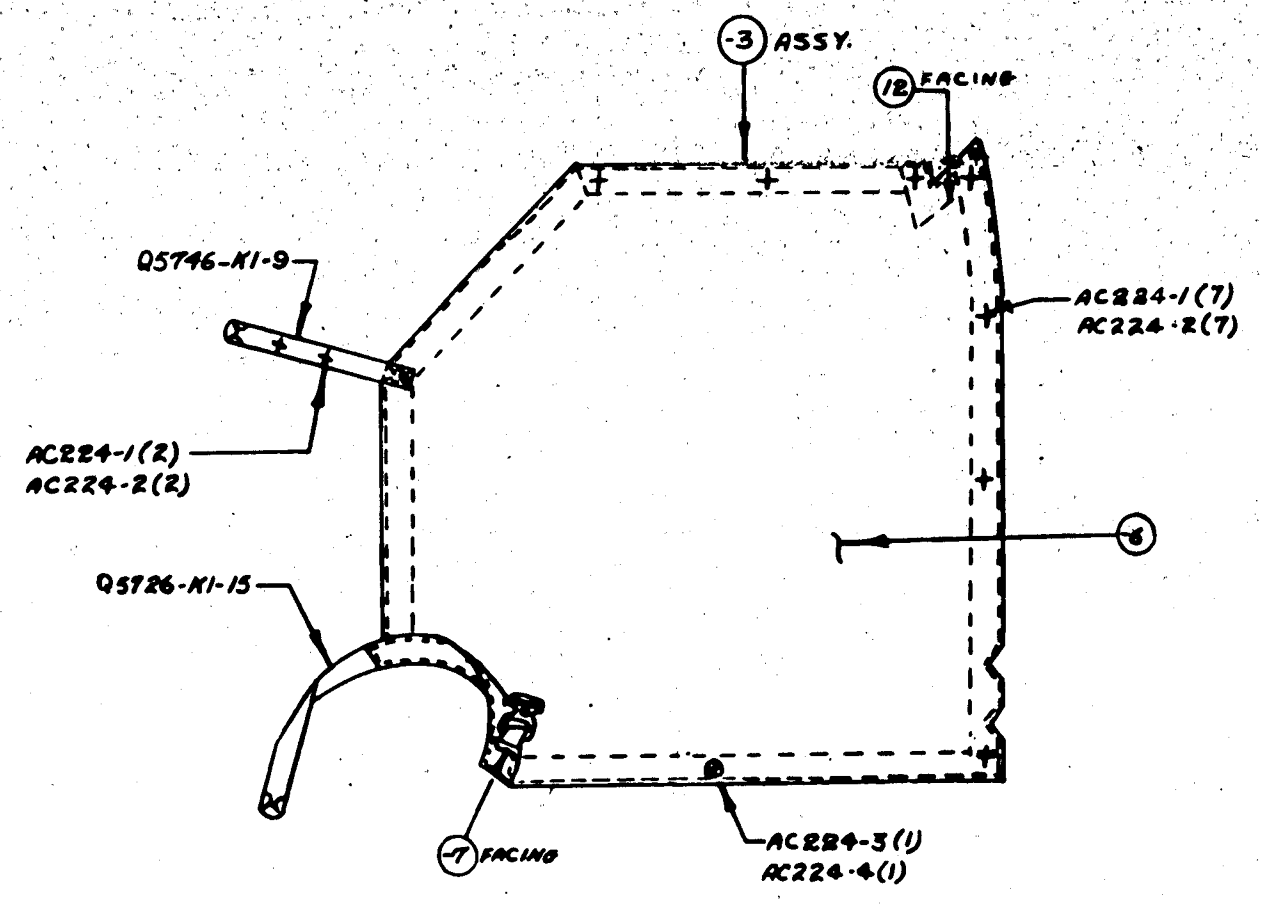
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: FLAT PATTERN FURNS. CURTAIN-BLKD #1

DWG. SIZE G — 28F1615

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
H	REVISED & REDRAWN						
	ADDED CALC. WT. .50#	2-16-45					
J	IN REQTS PER AIRPLANE						
	BLOCK-LIMITED -3 FOR PBY-5A						
	& ADDED -2R FOR PBY-5A.						
	NO WT. CHG	4/2					





NOTES:
1. THREAD & STITCHING TO BE IN ACCORDANCE WITH FEDERAL SPEC. DDD-S-751.
2. MATERIAL TO BE C.A.C. FAB-6 FABRIC DUCK OLIVE DRAB TEXTASOTE OR EQUIV. MAY BE PURCHASED FROM PANTASOTE CO. INC. NEW YORK, N.Y.
3. THIS DRAWING IS FOR THE PURPOSE OF ASSIGNING A PART NUMBER & FURNISHING A B/M & IS NOT INTENDED AS A WORKING DRAWING. DETAIL PARTS TO BE FABRICATED & INSPECTED FROM A SUITABLE TEMPLATE.

	ASSY. DASH NO.	MODEL	NEXT ASSY.	NO.
No a. (5) 464	-2R	PBY-5A	28F1627	1
	-2R	28-5MN	28F1627	1
	-2L	28-5MN		1
	-2R	28-5AMN		1
	-2L	28-5AMN		1
CONT. 70496, 77713 & 88476	-3	PBY-5A		1
	-2L	PBY-5A		1
	-2R	PBY-5B		1
	-2L	PBY-5B		1
C. 70496 (91876 #1 TO 90) c. 91876 #91 & ON	-3	PBY-5		1
	-2R	PBY-5		1
	-2L	PBY-5	28F1627	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F1626 OF 1-19-40 — .50# CALC. WT.

REPLACED BY — ACT. WT.

SCALE NONE

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
AC224-4						1	1	1					
AC224-3						1	1	1					
AC224-2						4	4	9					
AC224-1						4	4	9					
Q5746-K1-10						1	1						
Q5746-K1-9								1					
Q5726-K1-15								1					
Q5726-K1-14						1	1						
-12	3 x 4	CAC FAB-6	2404					1					
-10R	14½ x 19½						1						
-10L	14½ x 19½					1							
-9R	3 x 8						1						
-9L	3 x 8					1							
-8R	3½ x 8½						1						
-8L	3½ x 8½					1							
-7	2¾ x 9½							1					
28F1626-6	15 x 15	CAC FAB-6	2404					1					

PARTS LIST PER ASSY.

A C							
NAVY NONE	NONE	2-16-45					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME BOOT-CONTROL-YOKE

OPP. HAND 28F1626-R

DWG. SIZE G — 28F1626

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

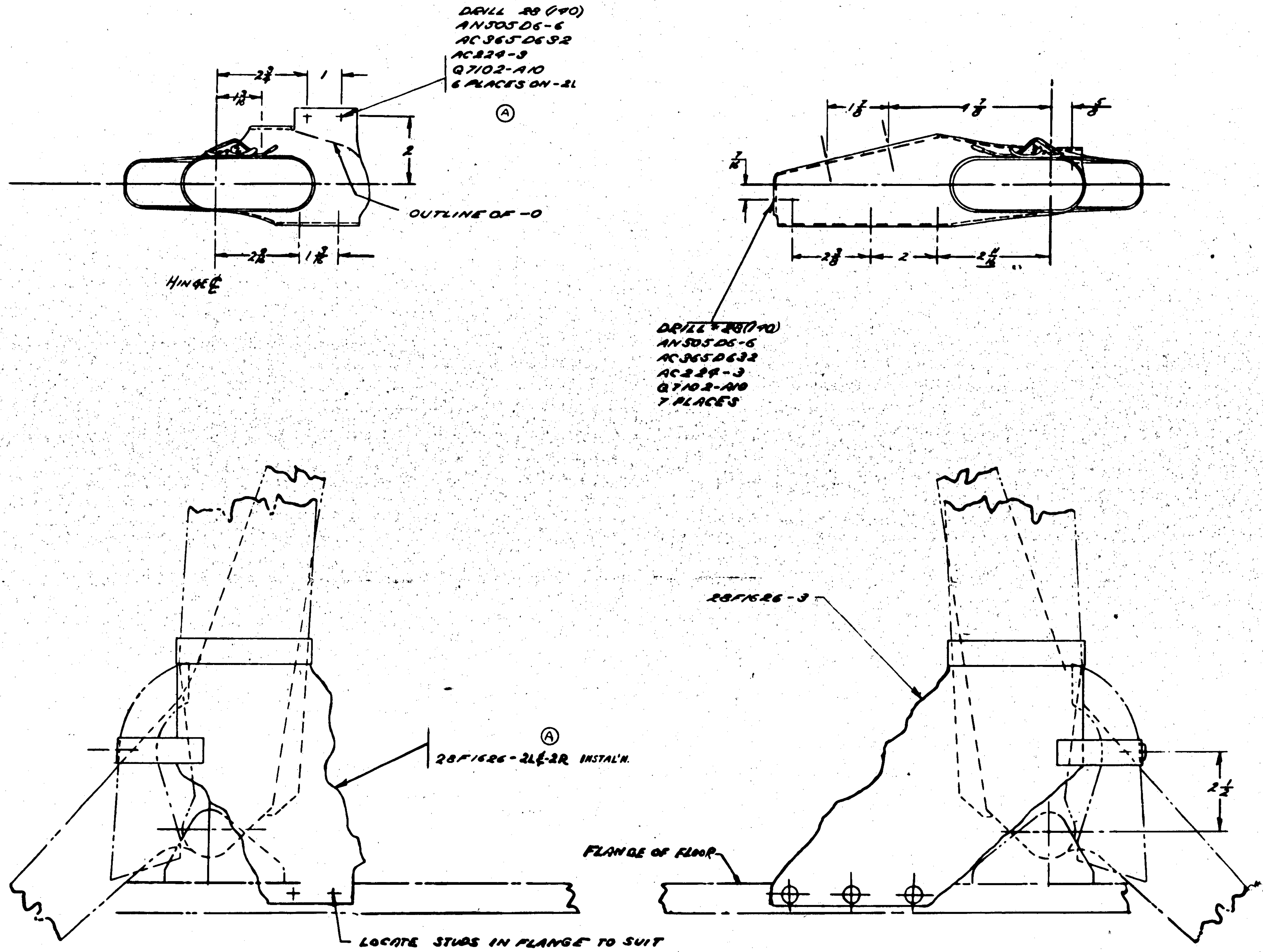
R 9291182

LET	ALTERATION	DATE	BY
A	REMOVED -0 ASSY. CHGD. -2 ASSY. TO -2L/R CHGD. PBY-1 REQTS TO -2L/R (WAS -0L-0R)	12-9-40	[illegible]
B	CREATED -4L & -4R ASS'Y FOR 28-5MN	3-8-41	HORN
C	REMOVED -4L&R ASSY FOR 28-5MN. REPLACED WITH -2L&R ASSY. FOR 28-5MN	7-26-41	[illegible]
D	REVISED REQ. PER AIRPLANE BLOCK - NO WT. CHG.	12-26-41	[illegible]
E	REMOVED REQ'T FOR OA-10; LIMITED -2L FOR PBY-5A [illegible]; ADDED -2R FOR PBY-5A ON 28C3564 NEXT ASS'Y; ADDED -2L & -3 FOR NEXT ASSY 28C3564 ON CONT. 88476 ONLY NO WT CHG.	6-23-43	[illegible]

EO 37429 PBY-2, PBY-3, PBY-4, PBY-5

28-5MN E.O. A13678

E.O. #164225



VIEW OUTB'D AT L.H BOOT

Ⓐ

VIEW OUTB'D AT R.H BOOT INSTAL'N -3

NOTE: ALL DIMENSIONS ARE APPROX.

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.	Note
-3	PBY-5A	28C3564	1	C#88476 only
-2L	PBY-5A	28C3564	1	C#88476 only
-2R	PBY-5A	28C3564	1	NOa(s)464
-2L	PBY-5A	28C3564	1	NOa(s)464
-2R	PBY-5	28C5086	1	C#91876 #91 & on
-2L	PBY-5	28C5086	1	C#91876 #91 & on
-2R	28-5AMN	28C5750	1	
-2L	28-5AMN	28C5750	1	
-3	PBY-5	28C5086	1	C#91876 #1-90
-2L	PBY-5	28C5086	1	C#91876 #1-90
-2R	PBY-5B	28C5500	1	
-2L	PBY-5B	28C5500	1	
-2R	28-5MN	28C5800	1	
-2L	28-5MN	28C5800	1	
-2L	PBY-5	28C5000	1	C-70496
-3	PBY-5	28C5000	1	C-70496
-3	PBY-5A	28C5700	1	C#70496, 77713
-2L	PBY-5A	28C5700	1	C#70496, 77713
-2L-3	PBY-4	28C2000	1 EA	
-2L-3	PBY-3	28C2000	1 EA	
-2L-3	PBY-2	28C2000	1 EA	
-2R	PBY-1	28C1000	1	
-2L	PBY-1	28C1000	1	

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	Qty
Q7102-A10				6 6 7
AN505D6-6				6 6 7
AC365D632				6 6 7
AC224-3				6 6 7
28F1626-3				1
28F1626-2L				1
28F1626-2R				1
-4				

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5 (LH / RH)

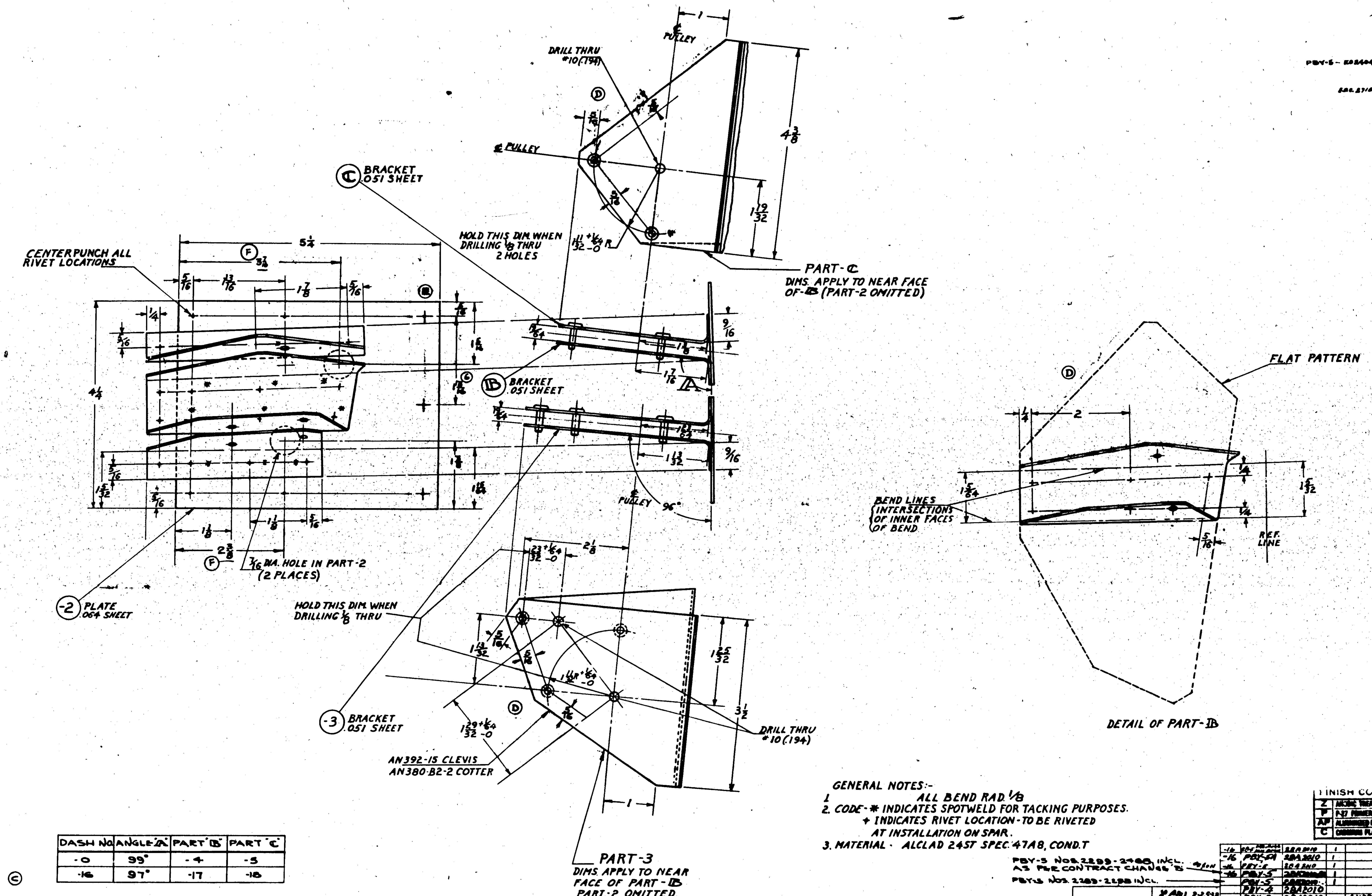
REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED ±
SCALE 3" = 1'0"
STAMP PART NUMBER WHERE SHOWN

AC
HEAT TREAT: NONE — FINISH: NONE
DRAFT / CHECK / STRUCT / MAT / APPROV / ENG — 11-23-40 [illegible signatures]

INSTAL'N - CONTROL YOKE BOOT

OPP HAND
DWG G 28F1627

CONSOLIDATED AIRCRAFT CORP. — SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY
B	TRACED	2-25-38	[illegible]
C	ADDED TABULATION, -16, 57, -18 & PBY-5 REQ	2-5-40	[illegible]
D	RELOCATED GUARD PIN HOLES, [illegible] CHANGED SHAPE OF -17, AND -18 (ON -16 ASSEM.)	[illegible]	[illegible]
E	CHANGED LENGTH [illegible] FROM 4 5/16 TO 5 1/4	[illegible]	[illegible]
F	5 5/16 WAS 5 1/4; 2 3/8 WAS 2 5/16	7-18-41	[illegible]
G	[illegible] 1 1/8 WAS 1 3/16	[illegible]	[illegible]

GENERAL NOTES:-

1. ALL BEND RAD. 1/8
2. CODE- ✱ INDICATES SPOTWELD FOR TACKING PURPOSES.
   ✚ INDICATES RIVET LOCATION - TO BE RIVETED AT INSTALLATION ON SPAR.
3. MATERIAL - ALCLAD 24ST SPEC. 47A8, COND. T

DASH NO.	ANGLE-A	PART B	PART C
-0	99°	-4	-5
-16	97°	-17	-18

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PBY-5 NOS. 2289-2488 INCL. AS PER CONTRACT CHANGE 'B'

PBY-5 NOS. 2289-2298 INCL.

O.H.	MODEL	NEXT ASSY.	REQ.	STD PARTS	REQ.	PART NO.	REQ.	REQ.
-16	PBY-5A	28A2010	1					
-16	PBY-5A	28A2010	1					
-16	PBY-5	28A2010	1			-16		1
-16	PBY-5	28A2010	1			-17		1
	PBY-5	28A2010	1			-5	1	
	PBY-4	28A2010				-4	1	
	PBY-3	28A2010		AN392-15	5	-3	1	1
	PBY-2	28A2010		AN380B2-2	5	28F2007-2	1	1

REQUIREMENTS PER AIRPLANE — MS MAT. — PARTS LIST PER ASSY. 50. -16

REPLACES — APPROVED [illegible] DATE 2-25-38

REPLACED BY — CALC. WT. 3 3/4 — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12"=1'0"

AC				
NAVY NOTED	NOTED	NONE	Z-P-27	
MATERIAL	SPEC.	HEAT TREAT	FINISH	

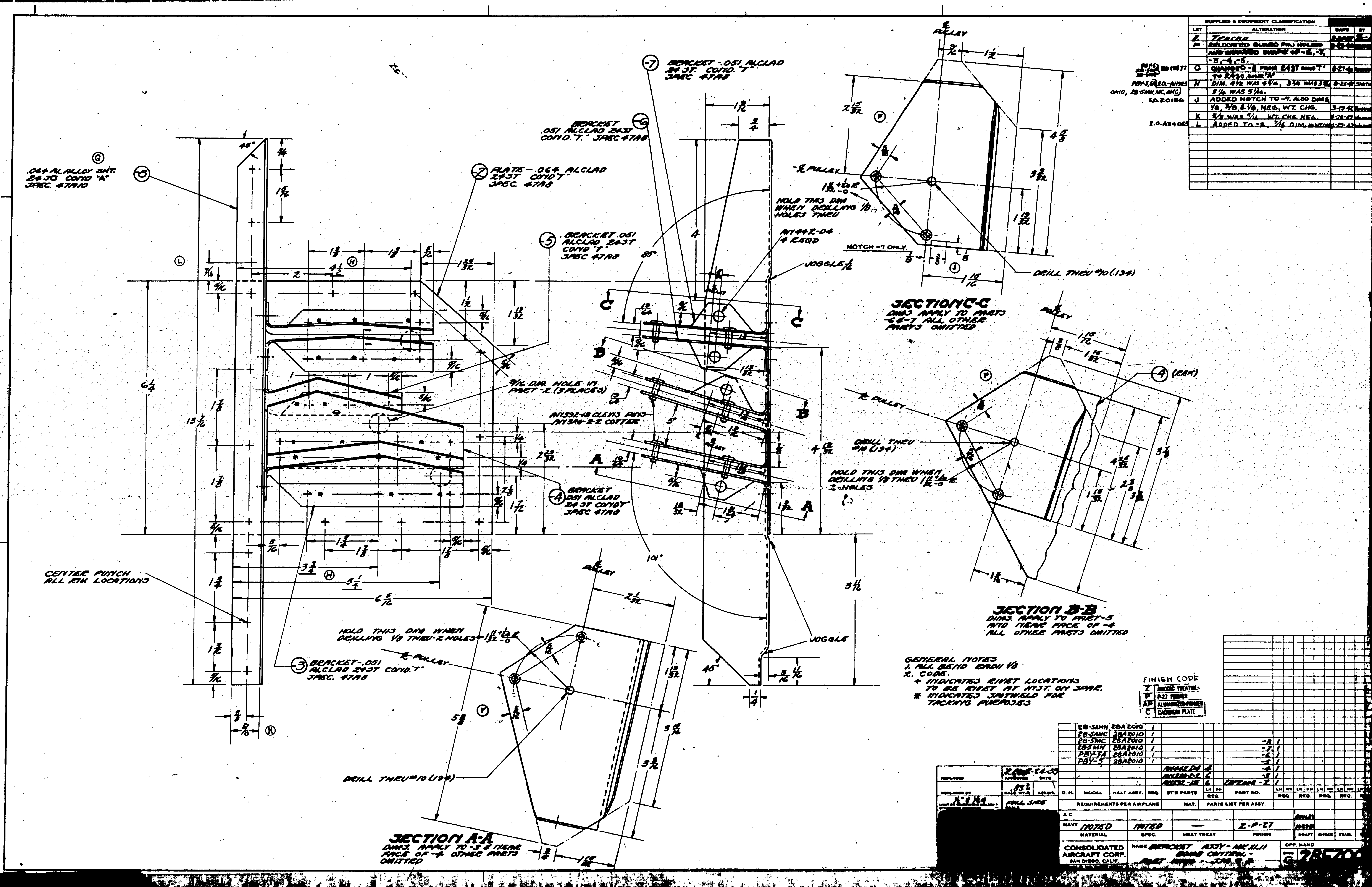
DRAFT BOWLEY 10-26-36 — CHECK MILLER 11-3-36

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME BRACKET ASSEM. MK XXXV INBOARD BOMB CONTROL PORT WING STA. #9

OPP. HAND —

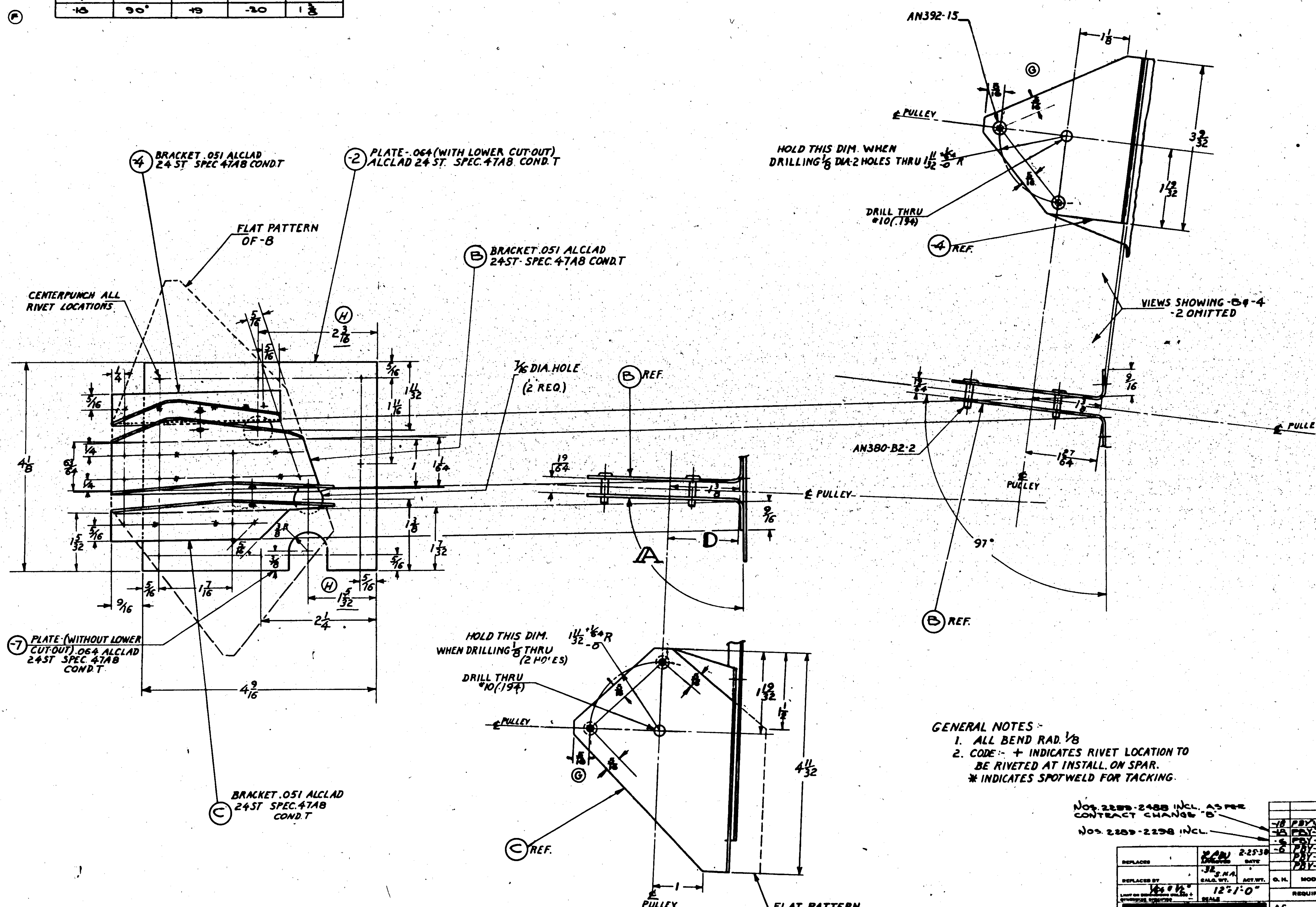
DWG. G 28F200


SUPPLIES & EQUIPMENT CLASSIFICATION
ALTERATION
TRACED
ADDED NOTCH TO -7. ALSO DIMS
ADDED TO -8, 7/16 DIM.
.064 AL ALLOY SHT. 24SO COND "A" SPEC. 47A10
BRACKET .051 ALCLAD 24ST COND "T" SPEC 47A8
PLATE - .064 ALCLAD 24ST COND "T" SPEC. 47A8
BRACKET -.051 ALCLAD 24ST COND "T" SPEC 47A8
HOLD THIS DIM WHEN DRILLING 1/8 HOLES THRU
AN442-04 4 REQD
NOTCH -7 ONLY.
JOGGLE
DRILL THRU #10 (.194)
SECTION C-C
DIMS APPLY TO PARTS -6 & -7 ALL OTHER PARTS OMITTED
9/16 DIA HOLE IN PART -2 (3 PLACES)
AN332-18 CLEVIS PINS
AN380-2-2 COTTER
HOLD THIS DIM WHEN DRILLING 1/8 THRU 2 HOLES
SECTION B-B
DIMS. APPLY TO PART -5 AND NEAR FACE OF -4 ALL OTHER PARTS OMITTED
CENTER PUNCH ALL RIV LOCATIONS
HOLD THIS DIM WHEN DRILLING 1/8 THRU 2 HOLES
GENERAL NOTES
1. ALL BEND RADII 1/8
2. CODE.
+ INDICATES RIVET LOCATIONS TO BE RIVET AT MFST. ON SPAR.
* INDICATES SPOTWELD FOR TACKING PURPOSES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
SECTION A-A
DIMS. APPLY TO -3 & NEAR FACE OF -4 OTHER PARTS OMITTED
28-5AMN 28A2010
28-5AMC 28A2010
28-5MC 28A2010
28-5MN 28A2010
PBY-5A 28A2010
PBY-5 28A2010
AN442-04
AN380-2-2
AN332-18
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
FULL SIZE
NOTED
Z-P-27
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
BRACKET ASSY - MK XLII BOMB CONTROL

DASH NO.	ANGLE "A"	PART "B"	PART "C"	DIM. "D"
-0 & -6	92½°	-3	-5	1 25/64
-18	90°	-19	-20	1 3/8

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
E	TRACED	2-25-38	[illegible]
F	ADDED TABULATION, -18, -19, -20 & PBY-5 REQ.	[illegible]	[illegible]
G	RELOCATED GUARD PIN HOLES, AND CHANGED SHAPE OF -4, -19 & -20 (ON -18 ASS'M.)	[illegible]	[illegible]
H	2 3/16 WAS 2 1/4; 1 15/32 WAS 1 7/32	7-8-41	[illegible]



GENERAL NOTES:-

1. ALL BEND RAD. 1/8
2. CODE:- + INDICATES RIVET LOCATION TO BE RIVETED AT INSTALL. ON SPAR.
   ✱ INDICATES SPOTWELD FOR TACKING.

FINISH CODE	
Z	[illegible]
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOS. 2289-2488 INCL. AS PER CONTRACT CHANGE "B"

NOS. 2289-2298 INCL.

O. N.	MODEL	NEXT ASSY.	REQ.	STD PARTS	REQ.	PART NO.	-0 LH	-0 RH	-6 LH	-6 RH	-18 LH	-18 RH
						-20					1	
-18	PBY-5A	28A2010	1			-19					1	
-18	PBY-5	[illegible]	1			-7	-		1		1	
-6	PBY-5	[illegible]	1			-5	1		1		-	
-6	PBY-4	28A2010				-4	1		1		1	
	PBY-3	28A2010		AN380-B2-2	4	-3	1		1		-	
	PBY-2	28A2010		AN392-15	4	28F2011-2	1		-		-	

REQUIREMENTS PER AIRPLANE — ℄ MAT. — PARTS LIST PER ASSY.

REPLACES — REPLACED BY — APPROVED [illegible] — DATE 2-25-38 — CALC. WT. .32 S.N.A. — ACT. WT. — LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & 1/2° — SCALE 12" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY NOTED	NOTED	NONE	Z-P-27

A C

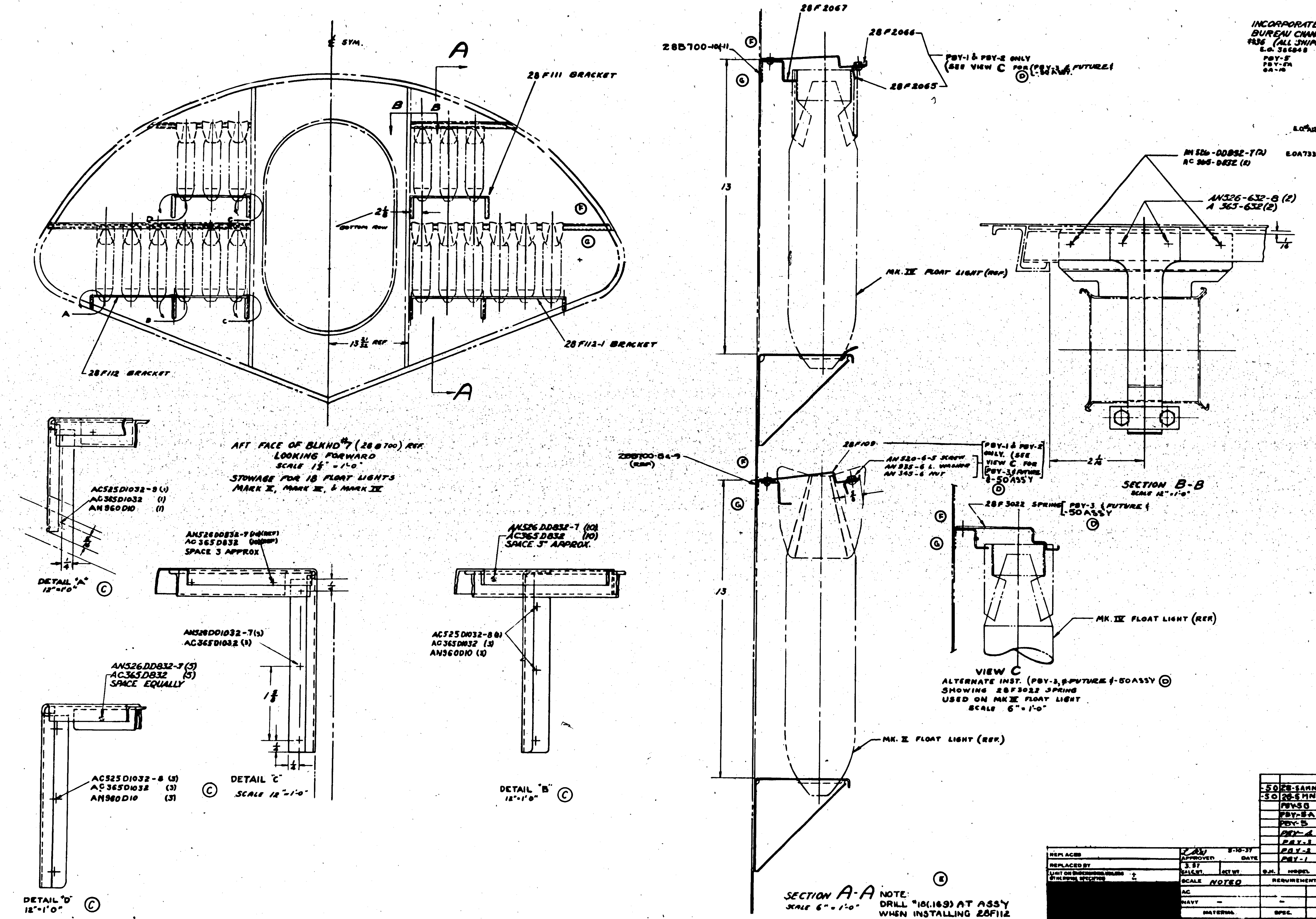
DRAFT [illegible] — CHECK [illegible] 11-2-36 — ENGR. R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: BRACKET ASSEM. MK. XXXV BOMB REL. & ARM - OUTER PULLEY

OPP. HAND —

DWG. SIZE G — 28F2011



INCORPORATED BUREAU CHANGE #136 (ALL SHIPS) E.O. 366848 PBY-5 PBY-5A OA-10

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
B	TRACED	5-10-37	
C	ADDED DETAIL A,B,C & D TO FACE, ADDED AN AN526DD1032-7 (12), AN365D1032 (26), AN526 DD832-7 (66), AN365D832 (66), AN960D10 (14), AC525D1032-9 (2), AC525D1032-8 (12), AN 526-632-8 (36), AN 365-632 (36) REMOVED AN 442-D4 FACE & B/M	7-15-41 / 7-8-42	
D	CREATED -50 ASS'Y. NEG. WT. CHG. (E.O. #A20640 A)	9-14-42	
E	ADDED NOTE: "DRILL #18 ----- 28F112". NO WT CHG	6/9/43	
F	TURNED FLANGE UP ON 28B700-8 -9,-10 & 11 (REF.). NO WT. CHG. (E.O. A73380)	10-16-43	R033
G	TURNED FLANGE DOWN ON 28B700-8-9-10 & 11 NO WT. CHG.	11-11-43	R033

PARTS	PBY-1	PBY-2	PBY-3	PBY-4	PBY-5	-50
AC365-632					36	12
AN526-632-8					36	12
AC365D832					66	
AN526DD832-7					66	
AN526DD1032-7					12	
AC365D1032					26	7
AC525D1032-7						3
AN960D10					14	7
AC525D1032-9					2	1
AC525D1032-8					12	3
28F3022			18	18	18	6
28F2066	18	18				
28F2065	18	18				
28F109	18	18				
28F2067	18	18	18	18	18	6
28F112-1	1	1	1	1	1	1
28F112	1	1	1	1	1	
28F111	2	2	2	2	2	
AN345-6	36	36				
AN935-6	36	36				
AN520-6-5	36	36				
AN442-D4						

PARTS LIST PER ASSY.

D.N.	MODEL	NEXT ASSY.	REQ.
-50	28-5AMN	28F6005	1
-50	28-5MN	28F5502	1
	PBY-5B	28R6014	1
	PBY-5A	28F6002	1
	PBY-5	28F1002	1
	PBY-4	28F1002	1
	PBY-3	28F1002	1
	PBY-2	28F1002	1
	PBY-1	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64

APPROVED 5-10-37 DATE
CALC. WT. 3.37 ACT WT.
SCALE NOTED

	MATERIAL	SPEC.	HEAT TREAT.	FINISH
AC				
NAVY	—	—	NONE	—

DRAFT 10-23-36 · CHECK · ENGR. · APP.

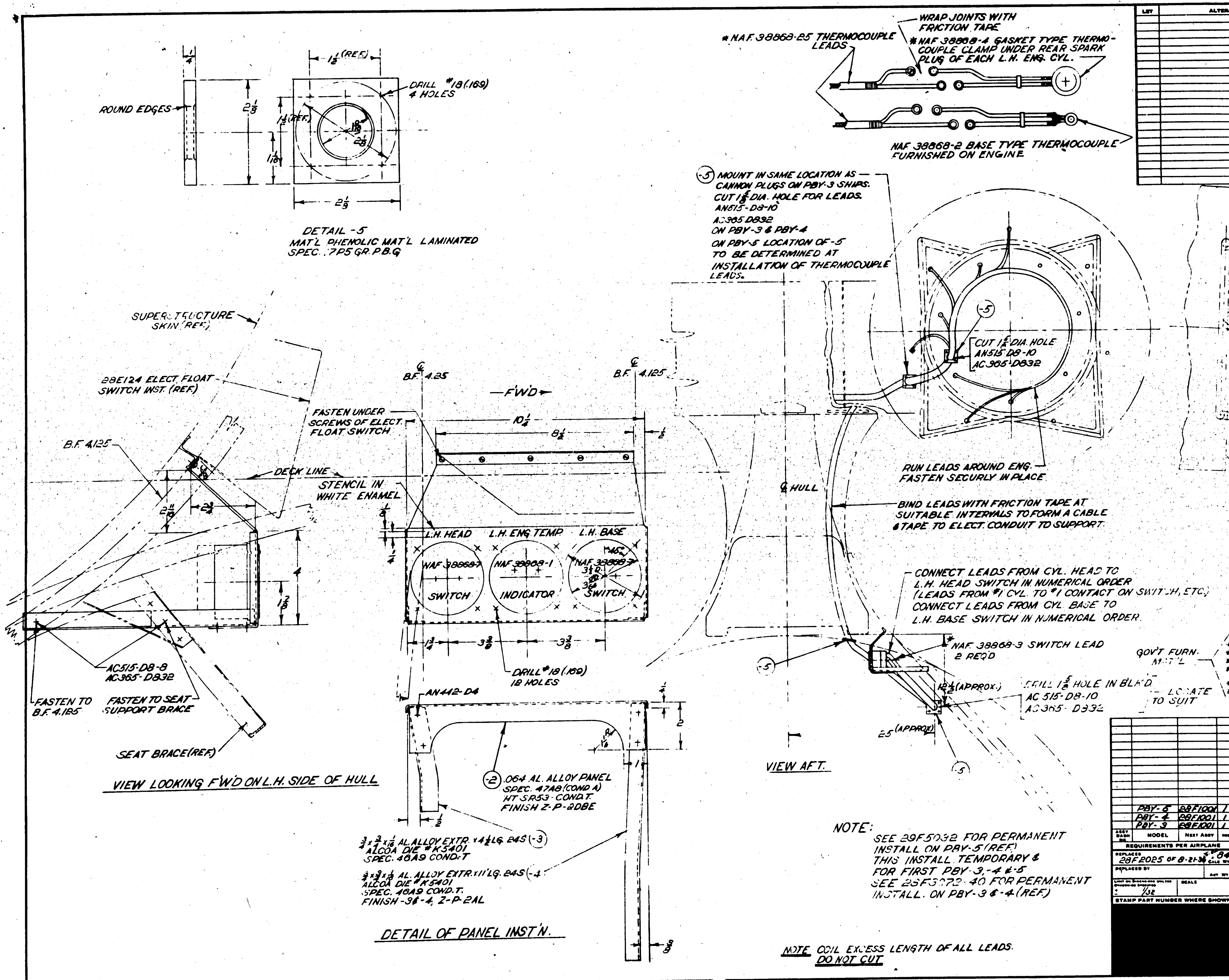
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME FLOAT LIGHTS INSTALL. FURNISHINGS

OPP. HAND

G 28F2012

R 210282



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				B	DWG. TRACED		

PART No	STOCK	MATERIAL	SPEC.	LH REQ.
* NAF 38868-B5	LEAD			28
* NAF 38868-2	BASE TYPE THERMOCOUPLE			14
* NAF 38868-4	GASKET TYPE THERMOCOUPLE			14
* NAF 38868-3	SWITCH LEAD			2
* NAF 38868-1	PT. SWITCH			2
* NAF 38868-1	INDICATOR			1
-5				4
-4				1
-3				1
-2				1

PARTS LIST PER ASSY. -0

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5	28F1001	1
	PBY-4	28F1001	1
	PBY-3	28F1001	1

REQUIREMENTS PER AIRPLANE

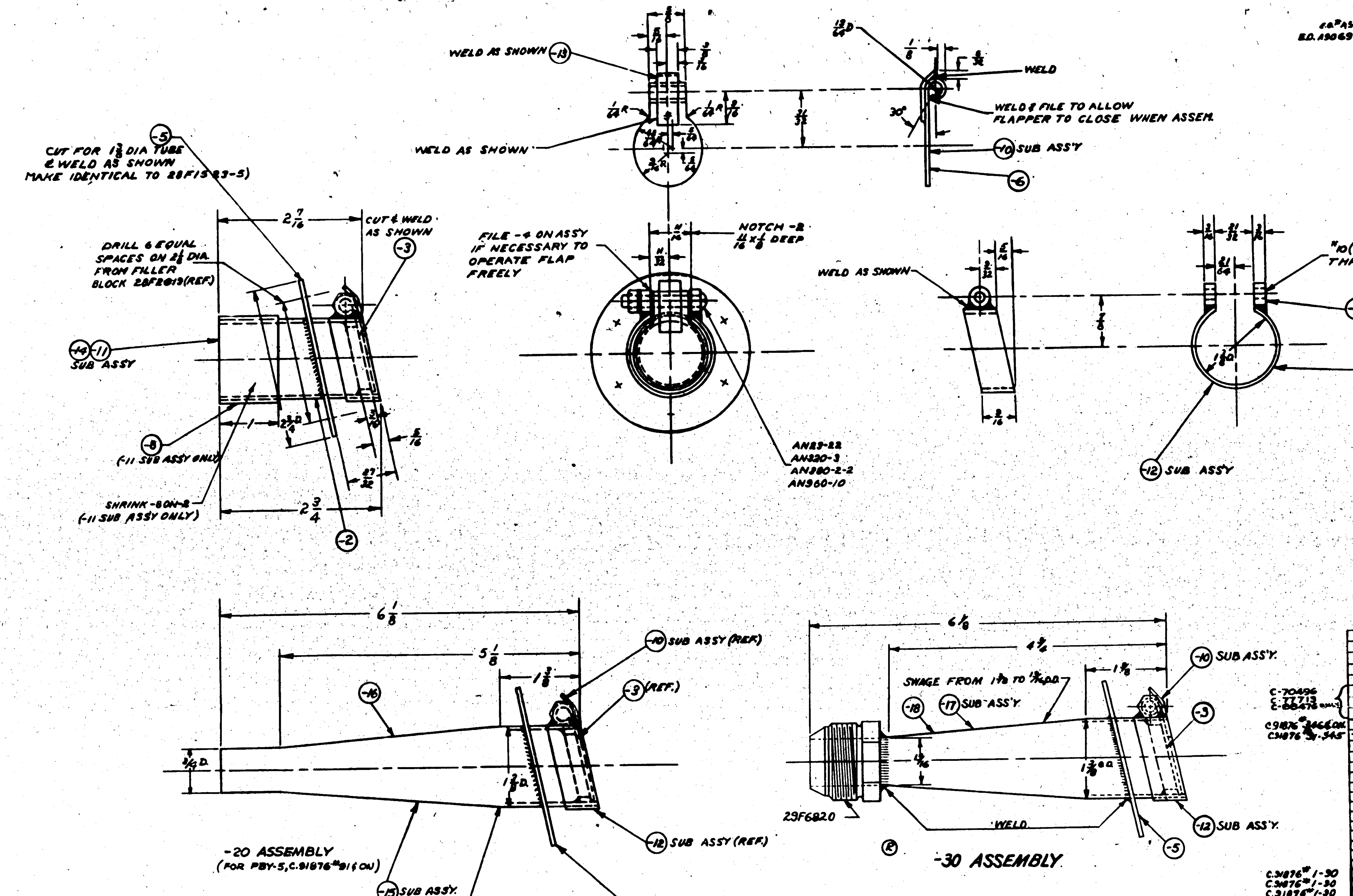
REPLACES 28F2025 OF 8-21-36 — CALC WT .84
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE
STAMP PART NUMBER WHERE SHOWN

A C — 8-21-36
NAVY NOTED — HEAT TREAT
NOTED — FINISH
DRAFT R.K.W. — CHECK — STRUCT — MAT JCH — APPROV. CW — ENG
OPP. HAND NONE

NAME THERMOCOUPLE INSTALL'N FURNS. (TEMPORARY ON PBY-3, 4 & 5 ONLY)

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F2025



(5) MATERIAL NOTES-

1.- MAT'L. FOR -3 MAY BE-
   (A) 1 1/4 O.D. X .083 X 1/2, STAINLESS STEEL TUBING, SPEC. AN-WW-T-858, OR
   (B) .093 X 1/2 X 4, STAINLESS STEEL SHEET, SPEC. AN-QQ-S-757 COND. A.

2.- MAT'L. FOR -6 MAY BE-
   (A) .063 X 1 5/16 X 2 5/16, STAINLESS STEEL SHEET, SPEC. AN-QQ-S-772 COND. A-1 OR
   (B) .063 X 1 5/16 X 2 5/16, STAINLESS STEEL SHEET, SPEC. AN-QQ-S-757 COND. A.

3.- MAT'L. FOR -7 MAY BE-
   (A) .063 X 13/16 X 3 7/8, STAINLESS STEEL SHEET, SPEC. AN-QQ-S-772 COND. A-1 OR
   (B) .063 X 13/16 X 3 7/8, STAINLESS STEEL SHEET, SPEC. AN-QQ-S-757 COND. A.

(T) 4.- MAT'L. FOR -4 MAY BE-
   (A) 3/8 DIA X 5/16, STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. FM, COND. B, OR
   (B) 3/8 DIA. X 5/16, STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. 6, COND. A.

LET	ALTERATION	DATE	BY
P	REDRAWN. CREATED -20 ASSY & -15 SUB ASSY. ADDED -16 WT. CHG. NEG.		
Q	ADDED NOTE #1. ... CHG.		
R	CREATED -30 ASSY. WT. CHG. NEG.		
S	IN B/M, FOR -3, REPLACED "1 1/4 O.D. X .083 X 1/2, STAIN. ST'L TUBE, 44T26" WITH "NOTED"; FOR -6, REPLACED ".063 X 1 5/16 X 2 5/16, CORR. RES. ST'L SHT, 47819" WITH "NOTED"; & FOR -7, REPLACED ".063 X 3 7/8 X 13/16, CORR. RES. ST'L SHT, 47819" WITH "NOTED". MAT'L NOTE WAS "1. ALTERNATE MATERIAL FOR -6 & -7 MAY BE AN-QQ-S-772, COMP. G, COND. A-1." ADDED MAT'L NOTES #1, #2, & #3. NO WT. CHG.	7-28-4[illegible]	R.K.
T	IN B/M FOR -4, REPLACED "3/8 D. X 5/16, STAIN. ST'L BAR, 46818 SP 75" WITH "NOTED". ADDED MAT'L NOTE #4. NO WT. CHG.	9-13-4[illegible]	R.H.

PART No.	STOCK	MATERIAL	SPEC
AN960-10			
AN380-2-2			
AN320-3			
AN23-22			
29F6820			
-18	1 3/8 O.D. X .058 X 6 1/4	CORR. RES. ST'L TUBE	AN-WW-T-858
-17	SUB ASS'Y.		
-15	SUB ASSY		
-14	SUB ASSY		
-12	SUB ASSY		
-11	SUB ASSY		
-10	SUB ASSY.		
-16	SUB ASSY		
-15	SUB ASSY		
-16	1 3/8 O.D. X .058 X 6 1/8	CORR. RES. ST'L	AN-WW-T-858
-7	.063 X 13/16 X 1'		47319
-6	1 3/8 O.D. X .063 X 1 7/16	STAIN. ST'L TUBE	44T26
-7	NOTED	NOTED	NOTED
-5	.063 X 5/8 X 2 1/16		47319
-4	NOTED	NOTED	NOTED
-3	NOTED	NOTED	NOTED
-2	1 3/8 O.D. X .058 X 2		44T25
-4	NOTED	NOTED	NOTED

PARTS LIST PER ASSY. — REQ. -0, -20, -30, -4, -5

MODEL	NEXT ASSY.
-14 PBY-5A	28F5950
-12 PBY-5A	28F5950
-10 PBY-5A	28F5950
-30 PBY-5	29F6052
-20 PBY-5	28F6050
-12 PBBY-3	29F3713

REQUIREMENTS FOR AIRPLANE

REPLACES 28F2026 OF 9-25-36

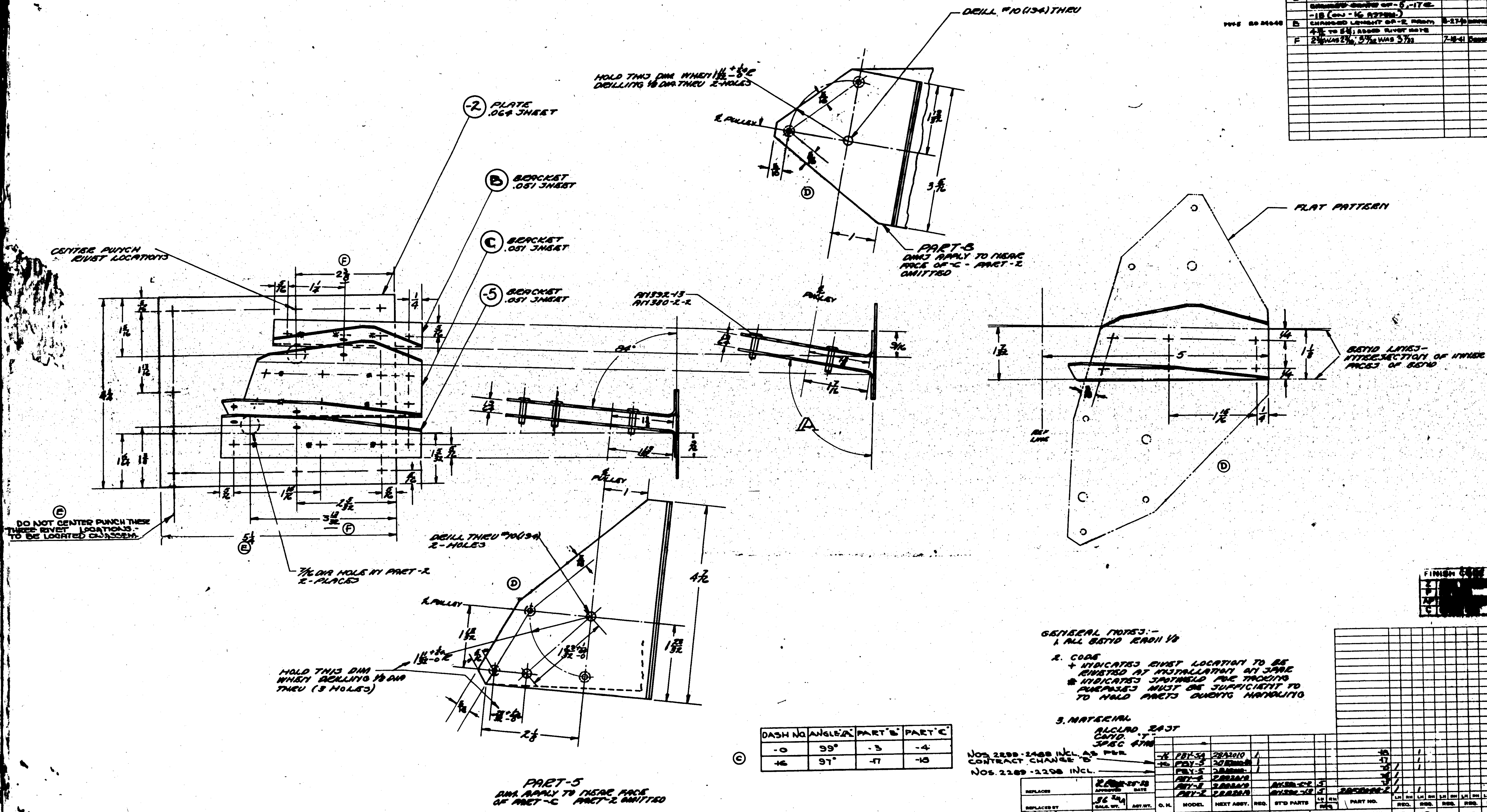
SCALE 12" = 1'0"

A C		9-25-36
NAVY NONE	POLISH - SR33	
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT. / MAT / APPROV.

NAME OUTLET - FURNS. - AUX. POWER UNIT - EXHAUST PIPE

CONSOLIDATED AIRCRAFT CORP., SAN DIEGO, CALIF.

G 28F2026



LET	ALTERATION	DATE	BY
B	TRACED	[illegible]	[illegible]
C	ADDED TABULATION, -16,-17,-18 & PBY-5 REQ.	2-3-40	[illegible]
D	RELOCATED GUARD PIN HOLES, ADDED [illegible] OF -5, -17 & -18 (ON -16 ASSEM.)	2-23-40	[illegible]
E	CHANGED LENGTH OF -2 FROM 4 7/8 TO 5 1/4; ADDED RIVET NOTE	3-27-40	[illegible]
F	2 3/8 WAS 2 5/16; 3 11/32 WAS 3 7/32	7-18-41	[illegible]

DASH NO.	ANGLE "A"	PART "B"	PART "C"
-0	99°	-3	-4
-16	97°	-17	-18

GENERAL NOTES:-

1. ALL BEND RADII 1/8
2. CODE
   - + INDICATES RIVET LOCATION TO BE RIVETED AT INSTALLATION ON SPAR
   - ✱ INDICATES SPOTWELD FOR TACKING PURPOSES MUST BE SUFFICIENT TO TO HOLD PARTS DURING HANDLING
3. MATERIAL
   ALCLAD 24ST COND. "T" SPEC 47A6

NOS. 2289-2488 INCL. AS PER CONTRACT CHANGE "B"

NOS. 2289-2298 INCL.

O. H.	MODEL	NEXT ASSY.	REQ.	STD PARTS	REQ.	PART NO.
-16	PBY-5A	28A2010	1			-18
-16	PBY-5	28[illegible]	1			-17
	PBY-5	28[illegible]	1			-5
	PBY-4	28B2010				-4
	PBY-3	28B2010		AN380-2-2	5	-3
	PBY-2	28B2010		AN332-13	5	28F2040-2

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY. -0, -16

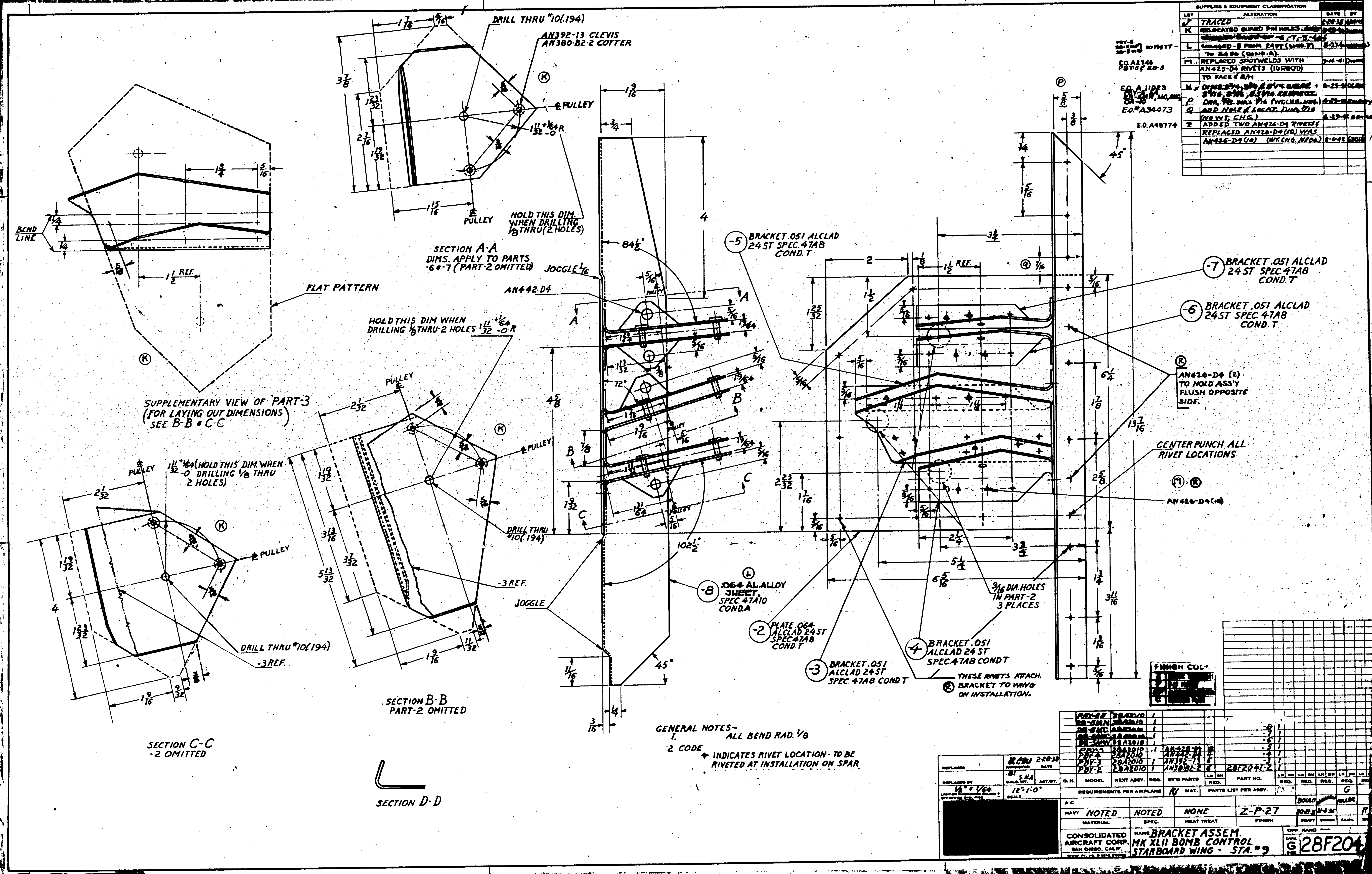
APPROVED: [illegible] DATE
CALC. WT. 36 [illegible]
TOLERANCES ± 1/64 UNLESS OTHERWISE SPECIFIED
SCALE: FULL SIZE

MATERIAL: NOTED — SPEC.: NOTED — HEAT TREAT: NONE — FINISH: Z-P-27

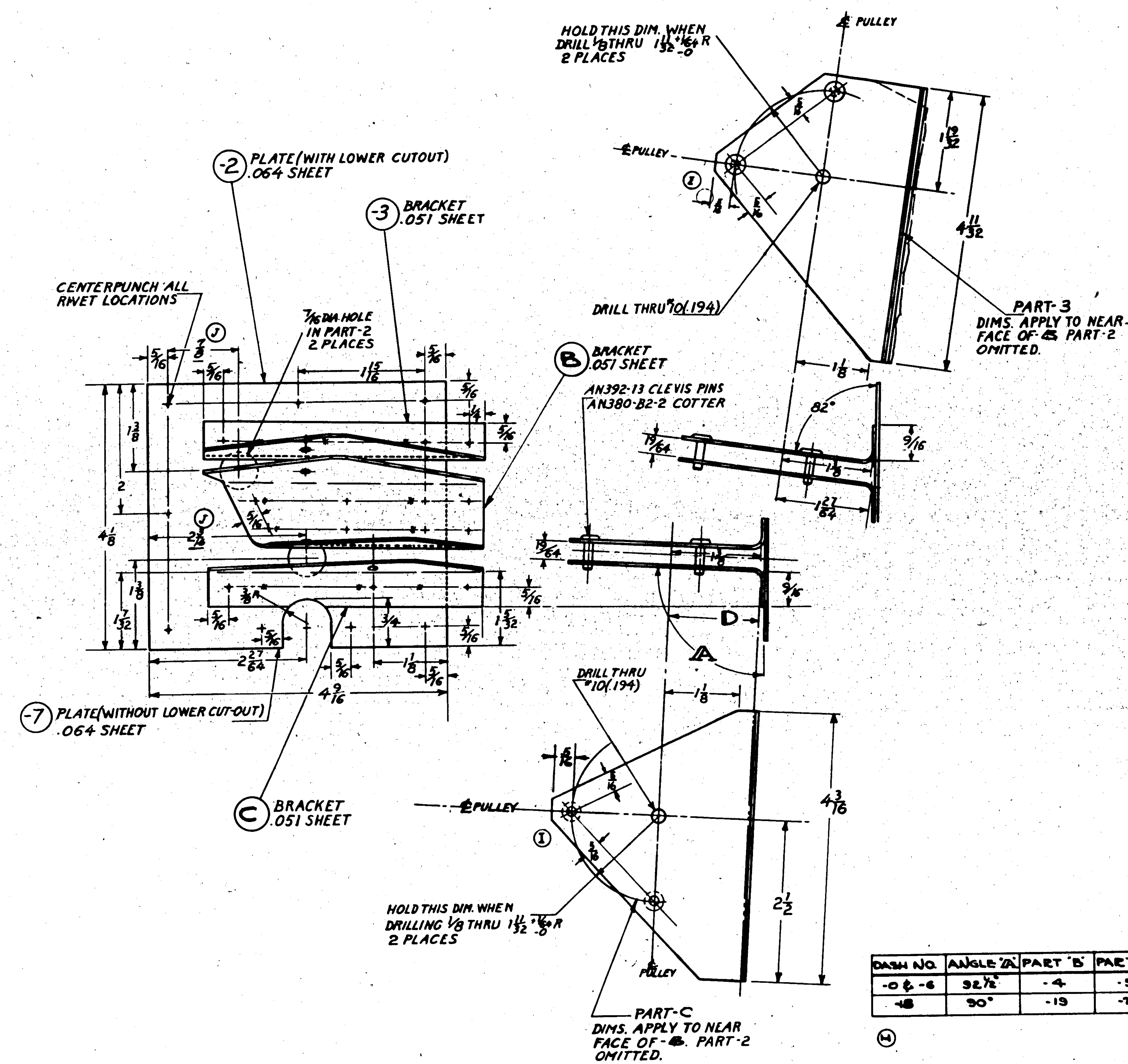
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

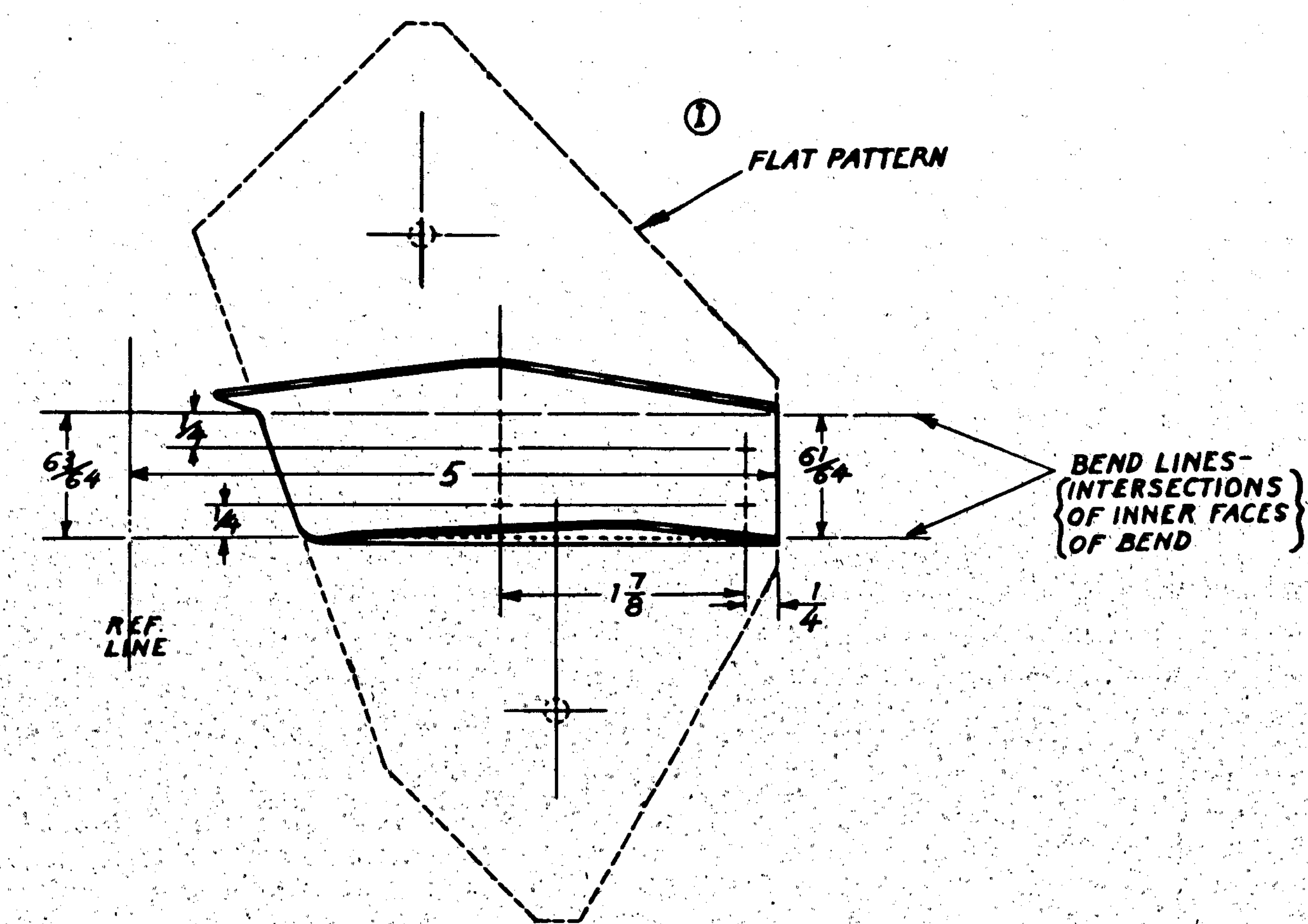
NAME: BRACKET ASSY MK XXXV INBOARD BOMB CONTROL - STATION STA. #3

DWG. G 28F2040


SUPPLIES & EQUIPMENT CLASSIFICATION
TRACED
RELOCATED GUARD PIN HOLES
REPLACED SPOTWELDS WITH AN425-D4 RIVETS (10 REQ'D)
ADDED TWO AN426-D4 RIVETS
REPLACED AN426-D4(10) WAS AN426-D4(10) (WT. CHG. NEG.)
DRILL THRU #10(.194)
AN392-13 CLEVIS
AN380-B2-2 COTTER
PULLEY
HOLD THIS DIM. WHEN DRILLING 1/8 THRU (2 HOLES)
SECTION A-A
DIMS. APPLY TO PARTS -6 & -7 (PART-2 OMITTED)
BEND LINE
FLAT PATTERN
SUPPLEMENTARY VIEW OF PART-3 (FOR LAYING OUT DIMENSIONS SEE B-B & C-C)
JOGGLE 1/16
AN442-D4
HOLD THIS DIM WHEN DRILLING 1/8 THRU-2 HOLES
-5 BRACKET .051 ALCLAD 24ST SPEC. 47A8 COND. T
-7 BRACKET .051 ALCLAD 24ST SPEC. 47A8 COND. T
-6 BRACKET .051 ALCLAD 24ST SPEC. 47A8 COND. T
AN426-D4 (2) TO HOLD ASS'Y FLUSH OPPOSITE SIDE.
CENTER PUNCH ALL RIVET LOCATIONS
AN426-D4(10)
-3 REF.
DRILL THRU #10(.194)
JOGGLE
-8 .064 AL. ALLOY SHEET, SPEC. 47A10 COND. A
9/16 DIA HOLES IN PART-2 3 PLACES
-2 PLATE .064 ALCLAD 24ST SPEC 47A8 COND. T
-3 BRACKET .051 ALCLAD 24ST SPEC 47A8 COND T
-4 BRACKET .051 ALCLAD 24ST SPEC. 47A8 COND T
THESE RIVETS ATTACH. BRACKET TO WING ON INSTALLATION.
SECTION C-C -2 OMITTED
SECTION B-B PART-2 OMITTED
GENERAL NOTES-
1. ALL BEND RAD. 1/8
2. CODE + INDICATES RIVET LOCATION - TO BE RIVETED AT INSTALLATION ON SPAR
SECTION D-D
FINISH CODE
NOTED
NOTED
NONE
Z-P-27
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
BRACKET ASSEM. MK XLII BOMB CONTROL STARBOARD WING - STA. #9
28F2041
SCALE 12"=1'0"
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.

LET	ALTERATION	DATE	BY
G	TRACED	2-24-38	[illegible]
H	ADDED TABULATION, -18, -19, -20 & PBY-5 REQ.	2-5-[illegible]	[illegible]
I	RELOCATED GUARD PIN HOLES, AND CHANGED SHAPE OF -3, -19 & -20 (-18 ASSEM.)	[illegible]	[illegible]
J	3/8 WAS 1 3/16; 2 7/16 WAS 2 3/8	7-18-41	[illegible]





DASH NO.	ANGLE 'A'	PART 'B'	PART 'C'	DIM. 'D'
-0 & -6	92½°	-4	-5	1 25/64
-18	90°	-19	-20	1 3/8

GENERAL NOTES:-
1. ALL BEND RADII 1/8
2. CODE:-
   + INDICATES RIVET LOCATION - TO BE RIVETED AT INSTALLATION OF SPAR.
   ✱ INDICATES SPOTWELD FOR TACKING PURPOSES. MUST BE SUFFICIENT TO HOLD PARTS DURING HANDLING
3. MATERIAL:- ALCLAD 24ST SPEC. 47A8 COND. T.

FINISH COD.

NOS. 2283-2488 INCL. AS PER CONTRACT CHANGE 'B'

NOS. 2283-2298 INCL.

O. H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ.	PART NO.	REQ.	REQ.	REQ.
						-20			1
-18	PBY-5A	28A2010	1			-19			1
-15	PBY-5	[illegible]	1			-7		1	1
-6	PBY-5	[illegible]	1			-5	1	1	
-6	PBY-4	28A2010				-4	1	1	
	PBY-3	28A2010		AN380-B2-2	4	-3	1	1	1
	PBY-2	28A2010		AN392-13	4	28F2042-2	1		
REQUIREMENTS PER AIRPLANE				HE MAT.		PARTS LIST PER ASSY.	-0	-6	-18

REPLACES | APPROVED | 2-24-38 DATE
REPLACED BY | .32 CALC. WT. | ACT. WT.
1/2" & 1/64 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED | 12"-1'-0" SCALE

A C				
NAVY NOTED	NOTED	NONE	Z-P-27	
MATERIAL	SPEC.	HEAT TREAT	FINISH	

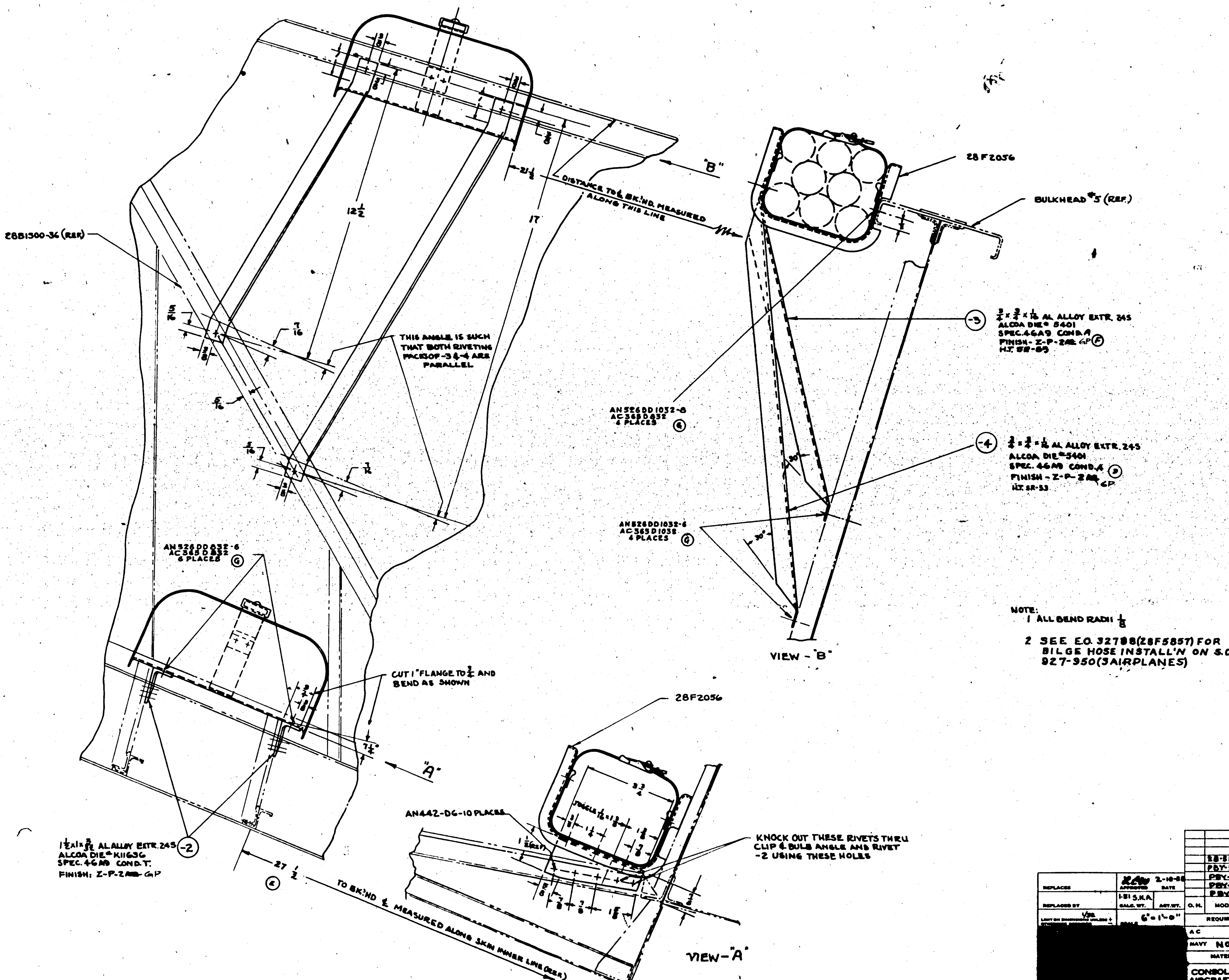
DRAFT: BOOLEY 10-29-36 | CHECK: 11-2-36 | EXAM.: MILLER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME BRACKET ASSEN. MK XXXV OUTBOARD BOMB CONTROL-STBD WING STA. #10

OPP. HAND —

DWG. SIZE G 28F204[illegible]



NOTE:
1 ALL BEND RADII 1/8
2 SEE E.O. 32788 (28F5857) FOR BILGE HOSE INSTALL'N ON S.O. 927-950 (3 AIRPLANES)

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	C	TRACED	2-10-39	
EO 29517	D	COND. A HT 5R-53 WAS 24ST COND. T	11-13-40	
EO 26616	E	27 1/2 WAS 32 1/2	11-13-40	
EO 30496	F	-3, COND. A WAS COND. T.		
EO 39390	G	AN526DD832-6 & AN365D832 WAS AN 455 D6. AN526DD1032-6 & AN365D832 WAS AN665D6. AN526DD1032-6 & AN 365D1032 WAS 442D6. IN B/M AN526DD1032, AN526DD832, AN365 D1032 & AN365 832 ADDED.	6-16-41	
PBY-5 28-5AM				

GP-GREEN PRIME
FINISH CODE

Z	
P	
AP	
C	

O.H.	MODEL	NEXT ASSY.	REQ.	STD PARTS	LH REQ.	RH REQ.	PART NO.	REQ.
							AC365D832	6
							AC365D1032	8
							AN526DD832-6	6
							AN526DD1032-6	4
							AN526DD1032-8	4
							28F2056	2
	28-5MN	28E2025						
	PBY-5	28E2025						
	PBY-4	28E2025					-4	1
	PBY-3	28E2025					-3	1
	PBY-2	28E2025		AN442-D6			28F2057-2	2

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES — APPROVED 2-10-38 — DATE
REPLACED BY — 1.51 S.K.A. CALC. WT. — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

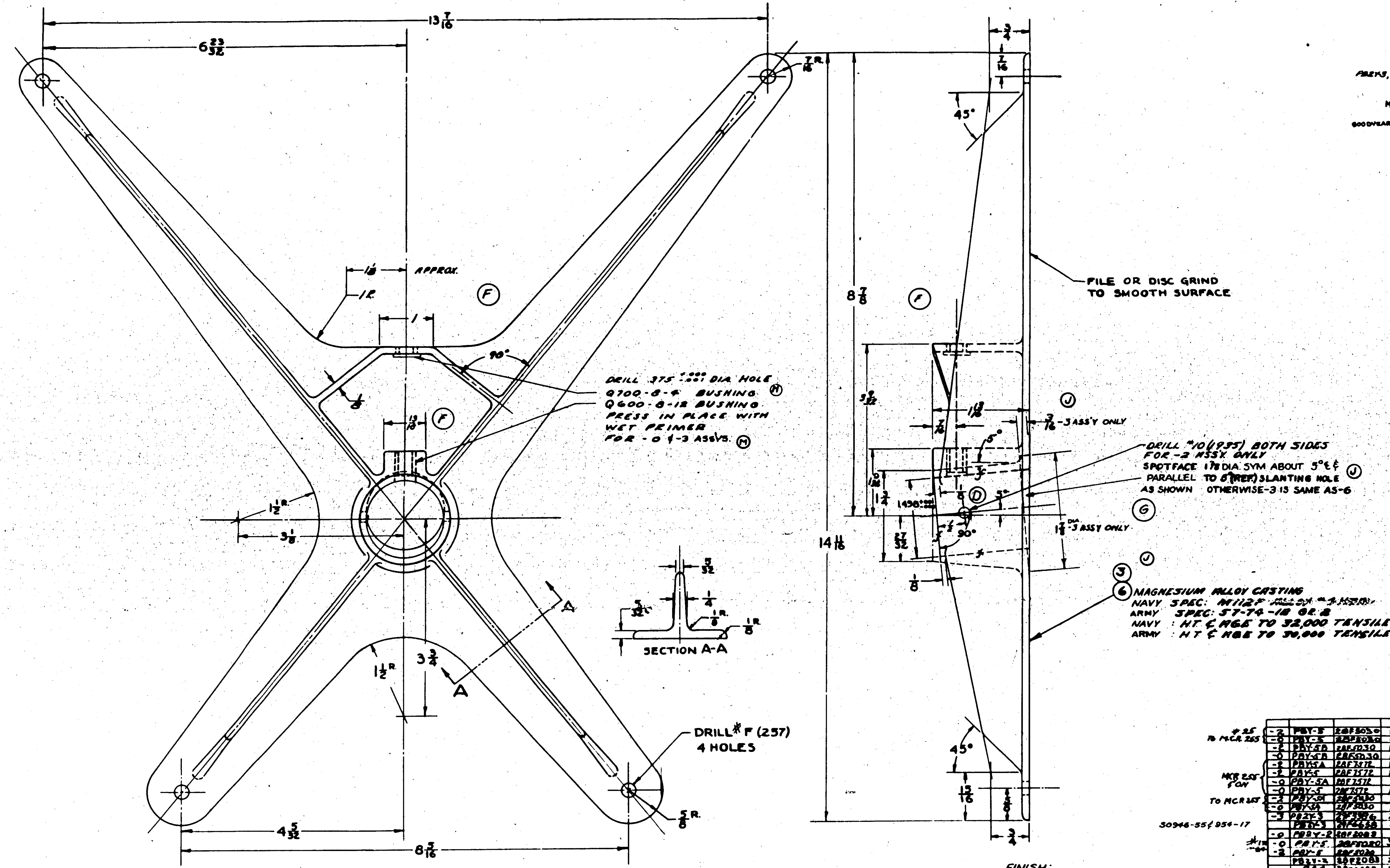
AC				12-8-38			
NAVY NOTED	NOTED	NONE	NOTED	ERSGUNS		MW.H	R.
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: INSTALL. FURN. BILGE PUMP HOSE STOWAGE

OPP. HAND

DWG. SIZE G — 28F2057



FINISH:
ANODIZE
P27 PRIMER
2 GREEN PRIMER

NOTE:
ALL UNMARKED RADII EQUALS 1/8"
BREAK ALL EDGES

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
B	TRACED	2-10-38	WEIR
C	ADDED REQ FOR PB2Y-2, XB24, B24 & CHANGED MATERIAL FROM AL ALLOY TO MAGNESIUM	4-28-39	
D	ADDED #10 DRILL HOLE	9-9-39	
E	ADDED PB2Y-2 REQS		
F	CHANGED ORIGINAL ASS'Y TO PROVIDE FOR LOCKING DEVICE ADDED PBY-5 REQS		
G	ADDED -2 ASS'Y	12-8-39	
H	ADDED Q700-8-4	8-9-40	
J	ADDED -3 ON FACE. ALSO 3/16 DIM. LTR ON. & SPOTFACE NOTE	5-28-41	BAUM
K	M-407 FIN. SPEC. WAS P-2AL.	12-15-41	
L	ADDED 28F7512 FOR PBY-5 & PBY-5A TO REQ/AIRPL BLOCK NO WT. CHG.	5-1-43	
M	NOTE "DRILL .375 +.000/-.001 DIA HOLE...... FOR -0 & -3 ASSY" WAS FOR -0 ASSY ONLY. ADDED Q700-8-4 (U & Q600-8-12) TO BM IN -3 ASSY. WT. CHG NEG	6-24-43	

PBY-5, E.O.A5259 · MCR #255 · GOODYEAR EO #4031

REPLACES	APPROVED	DATE
28F5028-3	LCW	2-10-38

REPLACED BY · CALC. WT. 1.40 SHA · ACT. WT. · 1/32 · 12" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NOTED	ZP2GP
NOTED	NOTED	NOTED	M-407

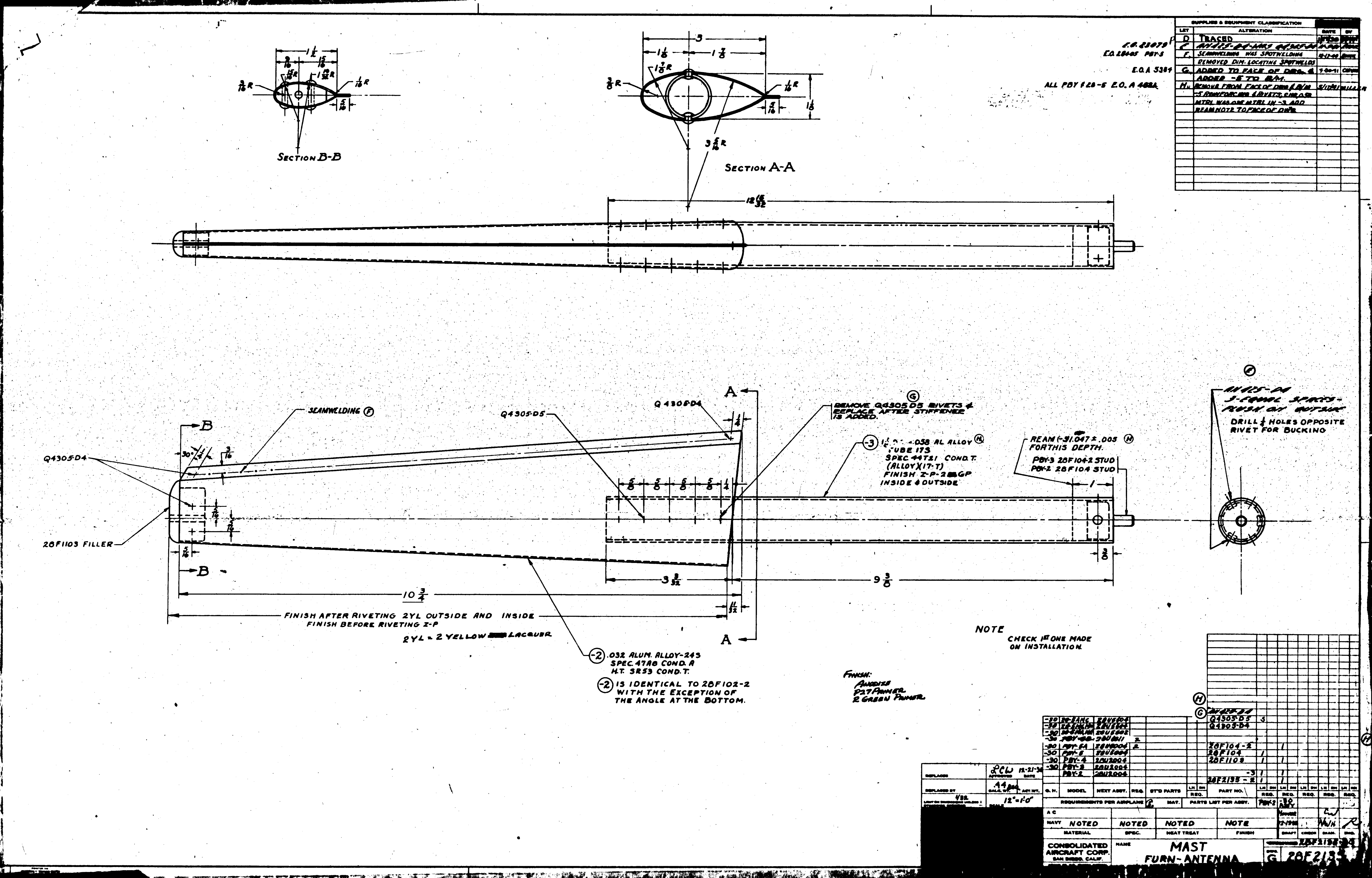
DRAFT · CHECK · EXAM. CW · ENG. R.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

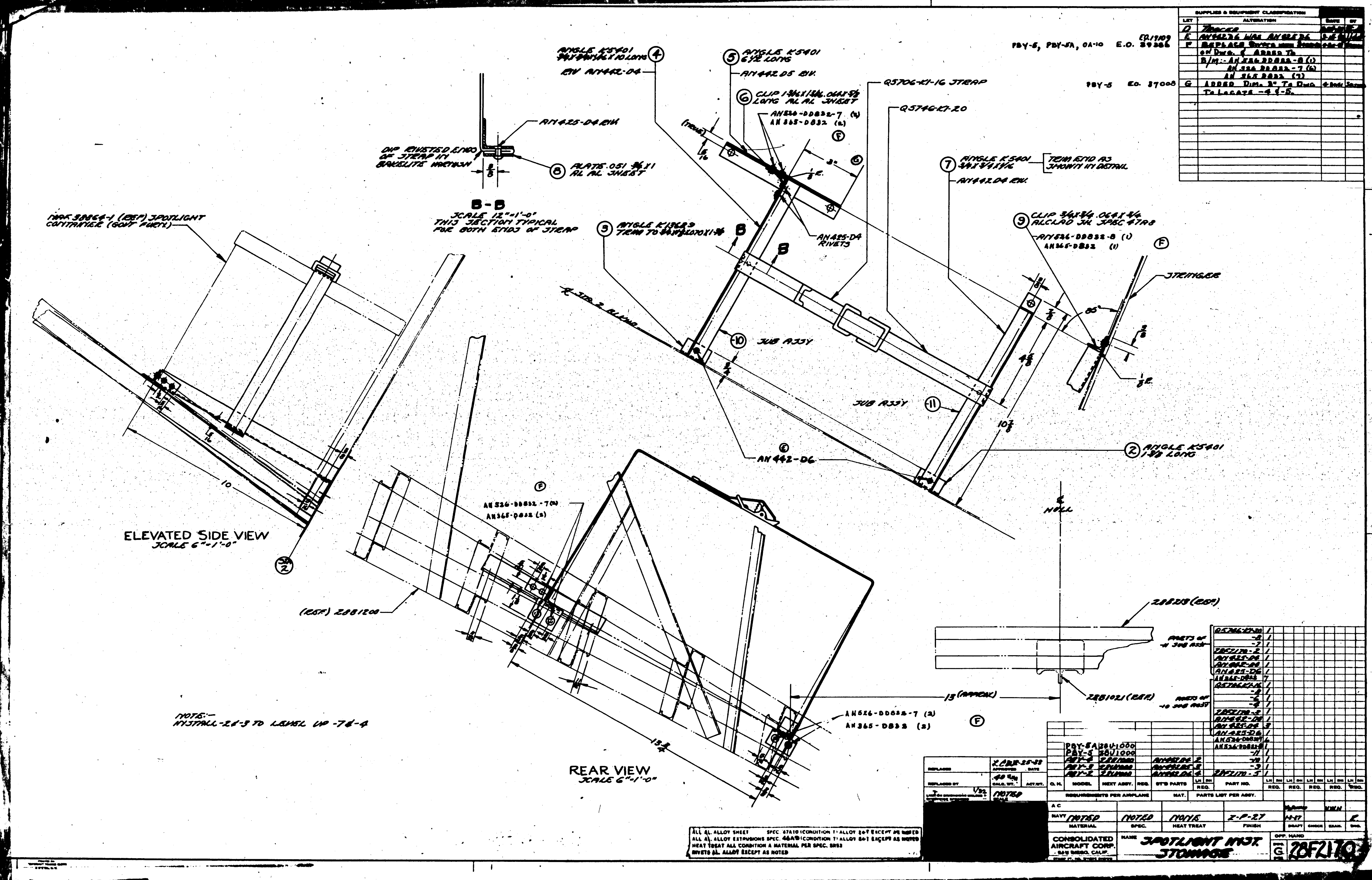
NAME BRACKET-FURNISHINGS RADIO OPERATORS SEAT SUPPORT

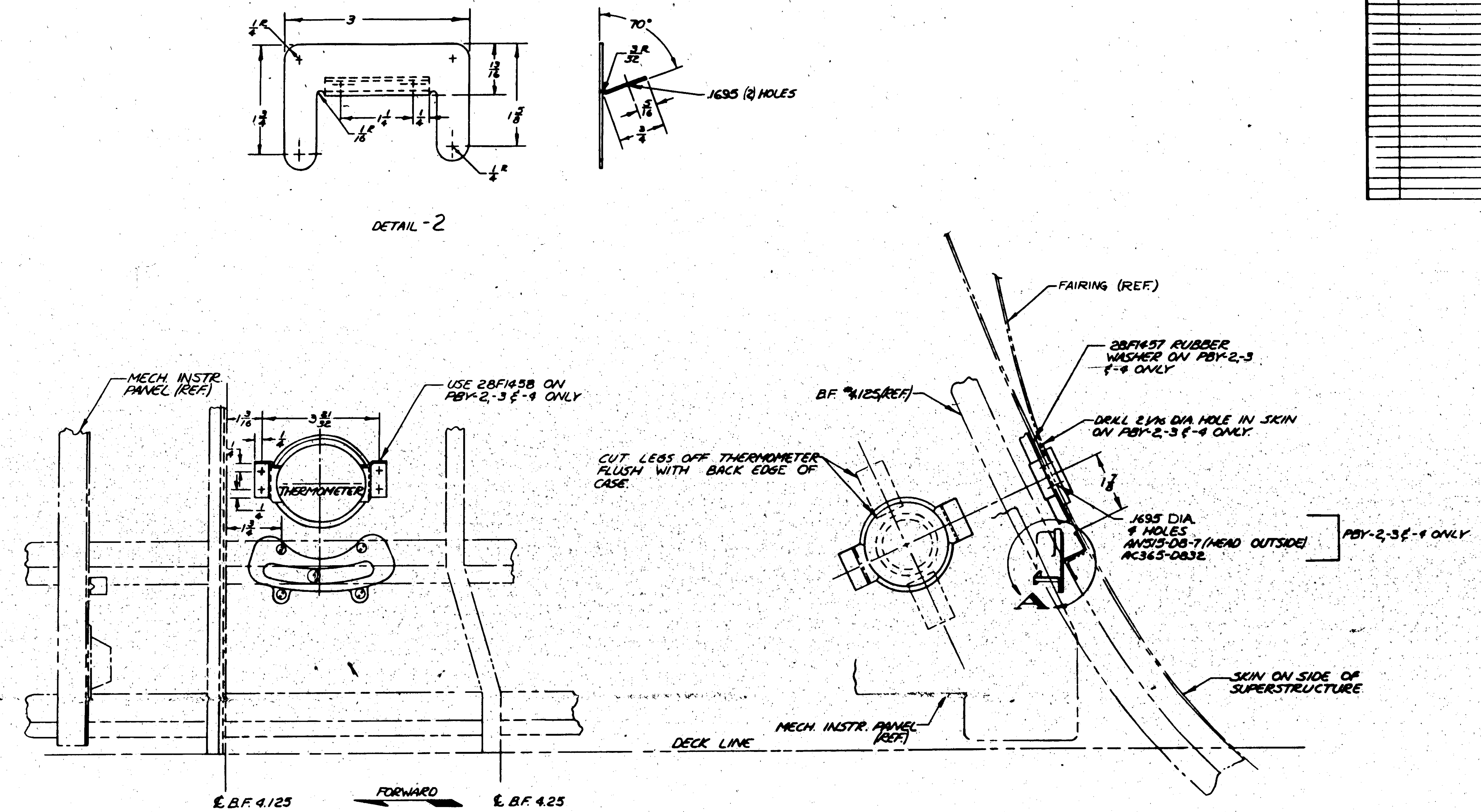
DWG SIZE G 28F2082

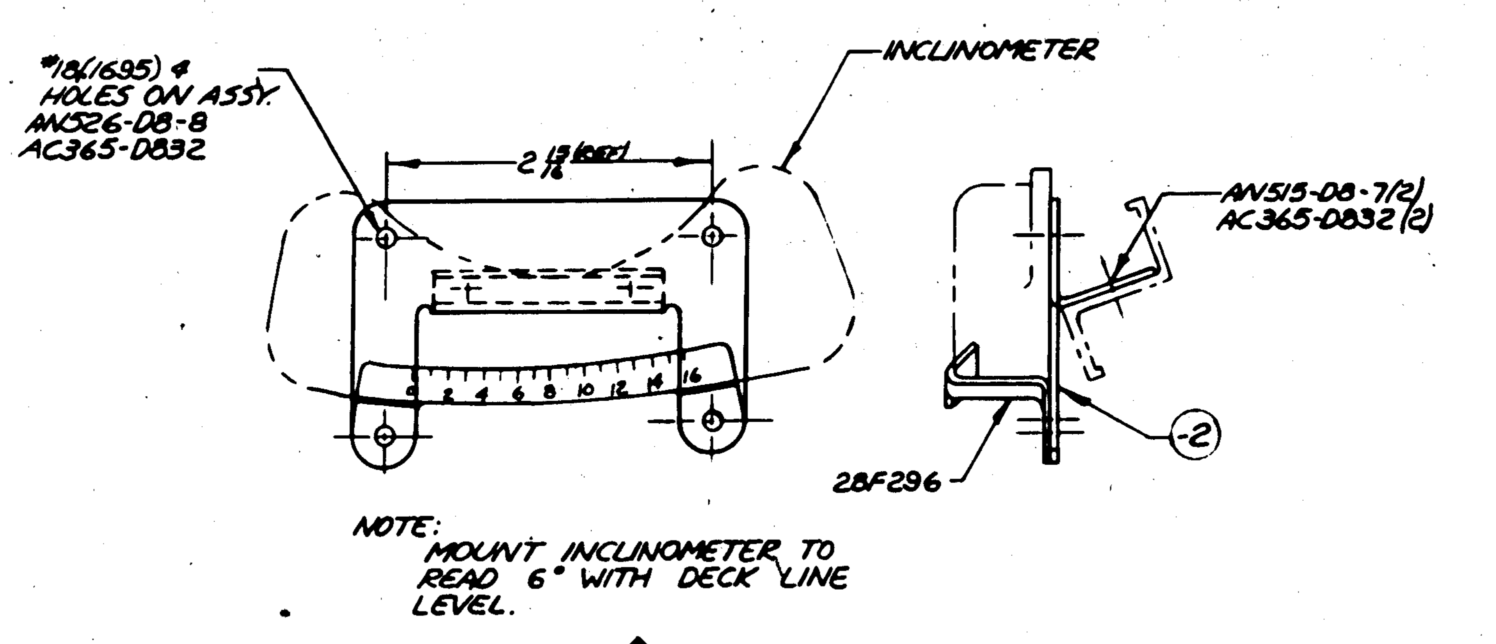
C.A.C. GOODYEAR R 28F2082



SECTION B-B
SECTION A-A
TRACED
SEAMWELDING WAS SPOTWELDING
REMOVED DIM. LOCATING SPOTWELDS
ADDED TO FACE OF DWG.
E.O. 28465 PBY-5
E.O.A 5384
ALL PBY F28-5 E.O. A 468A
SEAMWELDING (F)
Q4305-D4
Q4305-D5
REMOVE Q4305 D5 RIVETS & REPLACE AFTER STIFFENER IS ADDED.
.058 AL ALLOY TUBE 17S SPEC 44T21 COND. T. (ALLOY)(17-T) FINISH Z-P-2 GP INSIDE & OUTSIDE
REAM FOR THIS DEPTH.
PBY-3 28F104-2 STUD
PBY-2 28F104 STUD
DRILL HOLES OPPOSITE RIVET FOR BUCKING
28F1103 FILLER
FINISH AFTER RIVETING 2YL OUTSIDE AND INSIDE
FINISH BEFORE RIVETING Z-P
2YL = 2 YELLOW LACQUER
.032 ALUM. ALLOY-24S SPEC. 47A6 COND. A H.T. SR53 COND. T.
(-2) IS IDENTICAL TO 28F102-2 WITH THE EXCEPTION OF THE ANGLE AT THE BOTTOM.
NOTE
CHECK 1ST ONE MADE ON INSTALLATION.
FINISH: ANODIZE P27 PRIMER 2 GREEN PRIMER
Q4305-D5
Q4305-D4
28F104-2
28F104
28F1103
28F2135-2
PBY-4
PBY-3
PBY-2
NOTED
NOTED
NOTED
NOTE
MATERIAL
SPEC.
HEAT TREAT
FINISH
12" = 1'-0"
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
MAST
FURN-ANTENNA
G 28F2135


PBY-5, PBY-5A, OA-10 E.O. 39386
PBY-5 E.O. 37008
ANGLE K5401 6 1/2 LONG
RIV AN442-D4
AN442-D5 RIV.
Q5706-K1-16 STRAP
Q5746-K1-20
CLIP 1 3/4 x 1 3/4 .064 x 5/8 LONG AL AL SHEET
AN526-DD832-7
AN365-D832
AN425-D4 RIV.
DIP RIVETED ENDS OF STRAP IN BAKELITE VARNISH
PLATE .051 3/4 x 1 AL AL SHEET
B-B
SCALE 12"=1'-0"
THIS SECTION TYPICAL FOR BOTH ENDS OF STRAP
ANGLE K5401
TRIM END AS SHOWN IN DETAIL
AN442-D4 RIV.
ANGLE K13623
AN425-D4 RIVETS
CLIP 3/4 x 3/4 .064 x 3/4 ALCLAD 24 SPEC 47A8
AN526-DD832-8 (1)
AN365-D832 (1)
STRINGER
SUB ASSY
AN442-D6
ANGLE K5401 1 3/8 LONG
HULL
ELEVATED SIDE VIEW
SCALE 6"=1'-0"
AN526-DD832-7 (2)
AN365-D832 (2)
(REF) 28B1200
REAR VIEW
SCALE 6"=1'-0"
13 (APPROX)
28B1021 (REF)
28B213 (REF)
NOTE:-
INSTALL -26-3 TO LEVEL UP -76-4
PARTS OF -11 SUB ASSY
PARTS OF -10 SUB ASSY
PBY-5A 28U1000
PBY-5 28U1000
MODEL
NEXT ASSY.
REQ.
STD PARTS
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
REPLACES
APPROVED
DATE
REPLACED BY
CALC. WT.
ACT. WT.
.40 lbs
SCALE
NOTED
MATERIAL
SPEC.
HEAT TREAT
FINISH
NOTED
NOTED
NONE
Z-P-27
DRAFT
CHECK
EXAM.
ENG.
ALL AL. ALLOY SHEET SPEC. 47A10 (CONDITION T) ALLOY 24-T EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC. 46A9 (CONDITION T) ALLOY 24-T EXCEPT AS NOTED
HEAT TREAT ALL CONDITION A MATERIAL PER SPEC. SR53
RIVETS AL. ALLOY EXCEPT AS NOTED
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
NAME SPOTLIGHT INST. STOWAGE
OPP. HAND
G
28F2170





NOTE: MOUNT INCLINOMETER TO READ 6° WITH DECK LINE LEVEL.

DETAIL-A
SCALE-12"/1'-0"

NOTE
* INDICATES G.F.E.

LET	ALTERATION	DATE	BY
N	TRACED & ADDED DETAIL-2 NO WT. CHG.	3-1-38	

ASSY. DASH NO.	MODEL	NEXT ASSY.	NO.
-58	28-MN	28F5502	1
-58	28-AMN	28F6005	1
-56	28-AMC	28F6005	1
-56	28-ME	28F5502	1
-56	28-MC	28F5502	1
-56	28-MA	28F5502	1
-55	PBY-5B	28F7002	1
-55	OA-10	28F6002	1
-55	PBY-5A	28F6002	1
-55	PBY-5	28F1002	1
-0	PBY-4	28F1002	1
-0	PBY-3	28F1002	1
-0	PBY-2	28F1002	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-55 REQ.	-56 REQ.	-58 REQ.
MK-1	THERMOMETER *			1			
AN5725	INCLINOMETER *			1	1	1	1
AC365-D832				8	6	6	6
AN526-D8-8				4	4	4	4
AN515-D8-7				4	2	2	2
AN442-D4							
28F1458				2			
28F1457				1			
28F296				1	1	1	1
-2	.050 x 2 1/16 x 3 1/2	AL. ALLOY	QQ-A-355-A	1	1	1	1

PARTS LIST PER ASSY.

REPLACES 28F2173 OF 1-9-37 — .53 CALC. WT.
REPLACED BY — ACT. WT.
SCALE: NOTED — 1/32
STAMP PART NUMBER WHERE SHOWN

FINISH CODE	
Z	ANODIC TREATMENT
P	P 27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

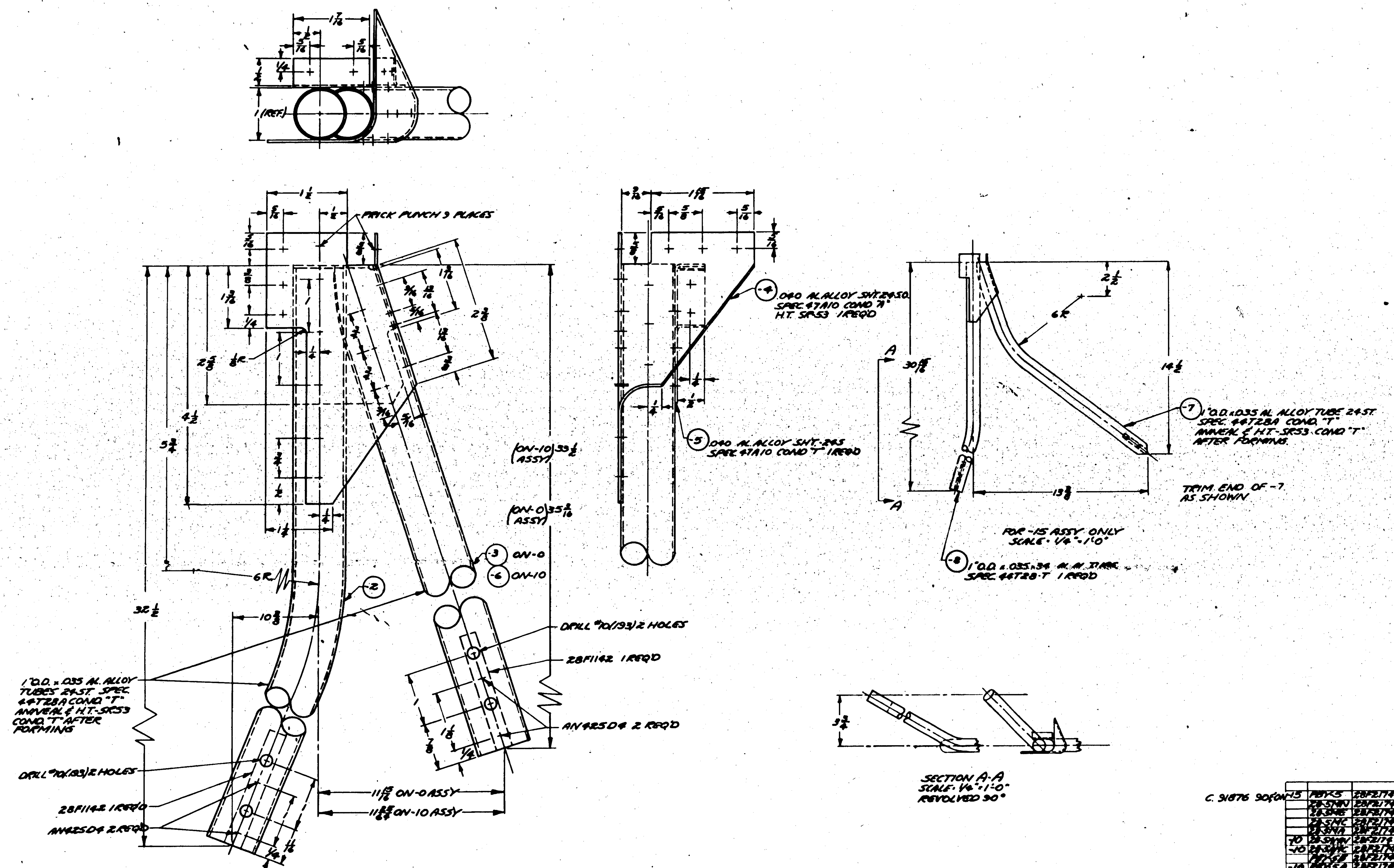
A.C. — NAVY NONE — HEAT TREAT
FINISH: Z-P-GP
DRAFT: MOOMER 1-9-37 — CHECK — STRESS — MAT — APPROV. CN LEW — ENG. R

NAME: INSTRUMENT - INSTALLATION FURN. MECH. THERMOMETER & INCLINOMETER

OPP. HAND — DWG. SIZE G — 28F2173

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F2173



NOTE: ALL RIVETS TO BE AN442-D4 UNLESS OTHERWISE SPECIFIED

LET	ALTERATION	DATE	BY
P	TRACED		

C. 91876 90° ON -15

C. 91876, C. 70496 → #1-90

O.N.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	PART NO.	-0 REQ.	-10 REQ.	-15 REQ.
-15	PBY-5	28F2174	1					
	28-5MN	28F2174	1					
	28-5ME	28F2174	1					
	28-5MC	28F2174	1					
	28-5MA	28F2174	1					
-10	28-5MN	28F2174	1		28F1142	2	2	2
-10	28-5MC	28F2174	1					
	PBY-5B	28F2174	1		28F2181-8			1
-10	PBY-5A	28F2174	1		-7			1
	PBY-5	28F2174	1		-6		1	
-10	XPBY-5	28F2174-90	1		-5	1	1	1
	PBY-4	28F2174-30	1		-4	1	1	1
	PBY-3	28F2174-30	1	AN442D4	-3	1		
	PBY-2	28F2174	1	AN425D4	28F2181-2	1	1	

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES: 28F2181 OF 2-7-38 — APPROVED: LCW — DATE: 2-7-38

REPLACED BY — CALC. WT.: 83 LB.J — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE: 12" = 1'-0" & NOTED

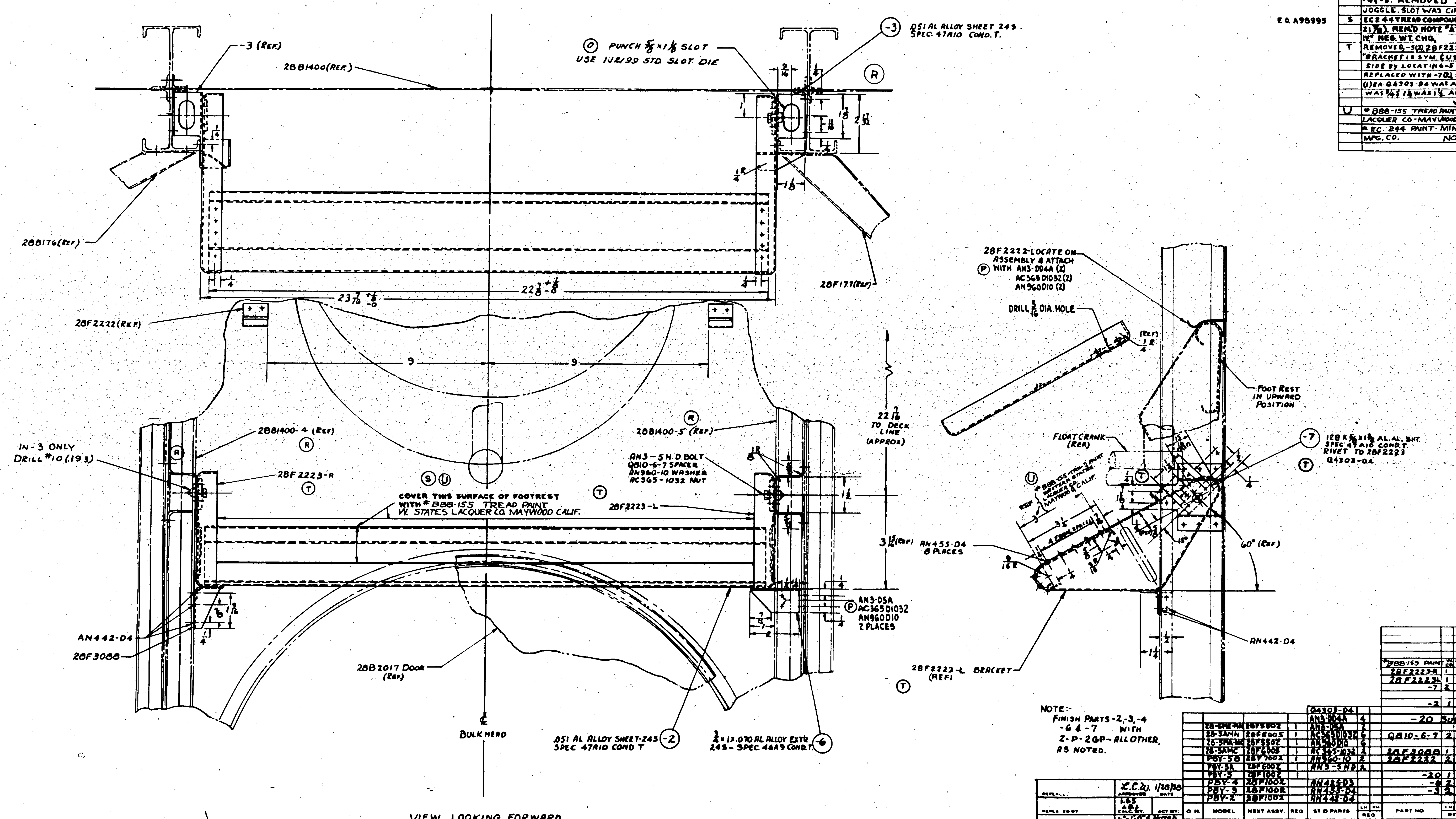
A C					
NAVY NOTED	NOTED	NOTED	Z-P-26P	3-4-37	R
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT / CHECK / EXAM.	ENG.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: "A" BRACE - FURN'S - NAVIGATOR'S TABLE

OPP. HAND

DWG. G 28F2181



E.O. 21486

E.O. 39051
PBY-5, 5A, 28-5M'S, 28-5AMC, OA-10.

E.O. A51150

E.O. A98995

SUPPLIES & EQUIPMENT CLASSIFICATION

LTT	ALTERATION	DATE	BY
N	TRACED	1/28/38	
O	"PUNCH 5/8 x 1 1/8 SLOT" WAS "DRILL 5/8 DIA. HOLE" ON -3	11-6-40	
P	AN3-D04A(4) AN365D1032 (6) AN960D10(6) WAS AN442-D4 AN3-D5A(2) AN365D1032(2) AN960D10(2) WAS AN442-D4(4) ON B/M AND FACE OF DRAWING	5-12-41	STEIN
R	REPLACED 28B1400-40 LH & -41 RH (REF) WITH 28B1400 -4 & -5. REMOVED .040 x 1/2 JOGGLE. SLOT WAS CIRCLE. WT CHG NEG	8-7-42	
S	EC244 TREAD COMPOUND WAS -11 (3 x 21 7/8). REM'D NOTE "ATTACH---EQU-IV." NEG. WT. CHG.	2-11-43	DAVIDSON
T	REMOVED -5(2), 28F2223 (2), & NOTE "BRACKET IS SYM. & USED ON L.H. SIDE BY LOCATING -5 AS SHOWN" REPLACED WITH -7(2) & 28F2223 L/R (1) EA Q4303-D4 WAS AN425-D4 5/8 WAS 3/4 & 1 1/4 WAS 1 1/2 ADDED 15° WT CHG. NEG	8-18-43	HENDERSON
U	# B88-155 TREAD PAINT - W. STATES LACQUER CO. - MAYWOOD, CALIF. WAS # EC. 244 PAINT - MINN. MINING & MFG. CO. NO. WT. CHG.	10-7-43	CRNIC

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

NOTE:-
FINISH PARTS -2, -3, -4
-6 & -7 WITH
Z-P-2GP - ALL OTHER,
AS NOTED.

MODEL	NEXT ASSY	REQ	STD PARTS	REQ	PART NO	REQ
			Q4303-D4		# B88-155 PAINT W. STATES LACQUER CO. MAYWOOD CALIF.	AS REQ
			AN3-D04A	4	28F2223-R	1
28-5ME-AN	28F5502	1	AN3-D5A	2	28F2223-L	1
28-5AMN	28F6005	1	AC365D1032	6	-7	2
28-5MA-AN	28F5502	1	AN960D10	6	-2	1
28-5AMC	28F6005	1	AC365-1032	2	-20 SUB ASSEM	
PBY-5B	28F7002	1	AN960-10	2	QB10-6-7	2
PBY-5A	28F6002	1	AN3-5ND	2	28F3088	1
PBY-5	28F1002	1			28F2222	2
PBY-4	28F1002		AN425-D3		-20	1
PBY-3	28F1002		AN455-D4		-6	2
PBY-2	28F100X		AN442-D4		-3	2

REQUIREMENTS PER AIRPLANE — MAT — PARTS LIST PER ASSY.

REPLACES	L.C.W. APPROVED	1/28/38 DATE	
REPLA. BY	1.65 A.B.L. CALC. WT.	ACT. WT.	
	6" = 1'-0" & NOTED SCALE		

AC					
NAVY	NOTED	NOTED	NOTED	NOTED	
	MATERIAL	SPEC	HEAT TREAT	FINISH	

DATE	DATE		
6-12-37	6-14-37	Cn	
			R
DRAFT	CHECK		

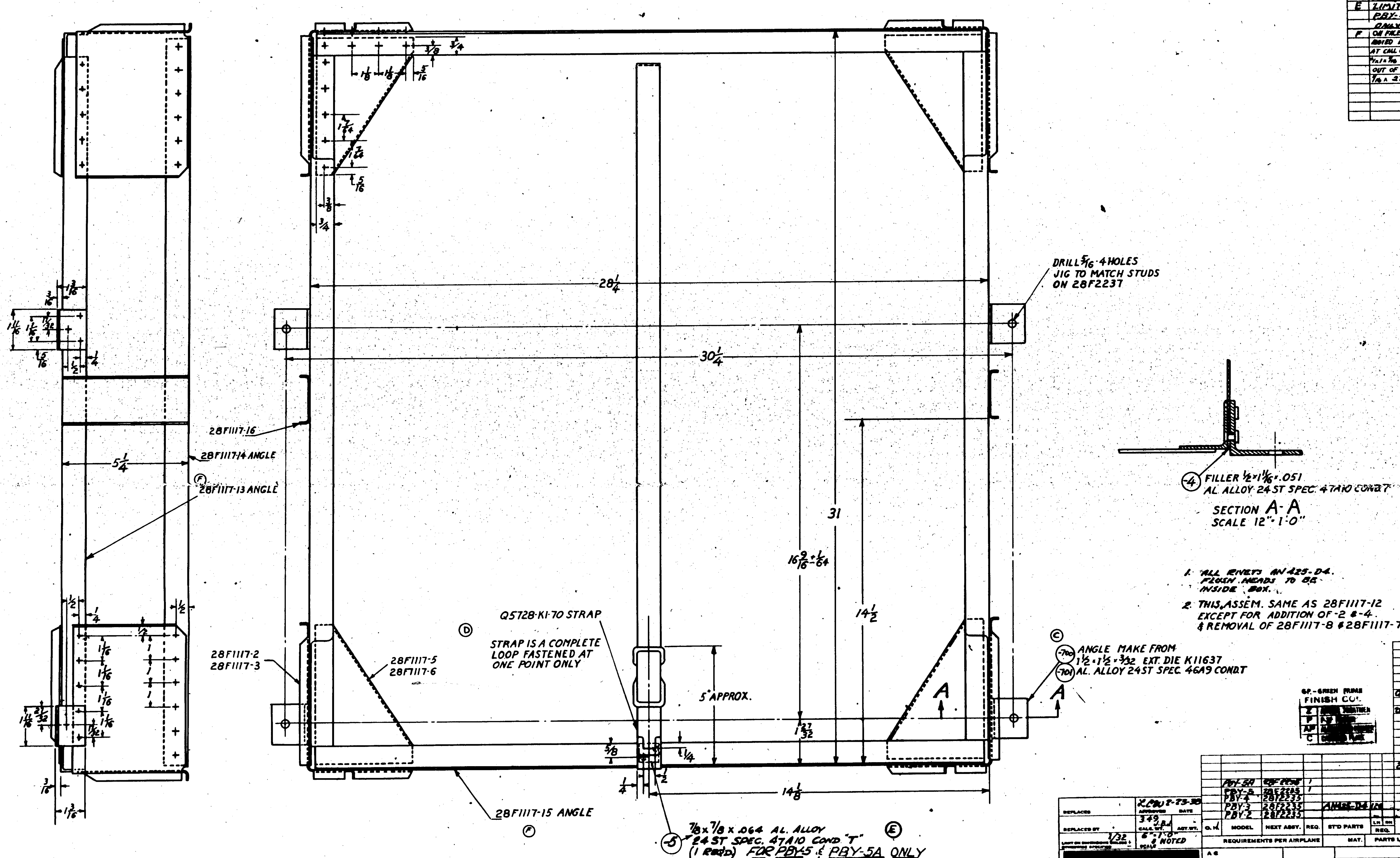
CONSOLIDATED AIRCRAFT CORP
SAN DIEGO CALIF

NAME: FOOTREST - FURN. MECHANICS FOLDING

OPP HAND

DWG G — 28F2221

R 28F2221



1. ALL RIVETS AN 425-D4. FLUSH HEADS TO BE INSIDE BOX.
2. THIS ASSEM. SAME AS 28F1117-12 EXCEPT FOR ADDITION OF -2 & -4 & REMOVAL OF 28F1117-8 & 28F1117-7

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED	2-23-38	[illegible]
B	-5 [illegible] -4 [illegible]	11-4-40	[illegible]
C	-700 (E) WAS -[illegible]. ADDED -701. NO WT. CHG.	[illegible]	[illegible]
D	REMD AN 960-[illegible] & NOTE "REPLACED---ONLY. ADDED 1 REQ TO -5 IN [illegible] NEG. WT. CHG.	[illegible]	[illegible]
E	LIMITED -5 FOR PBY-5 & PBY-5A ONLY. WAS "PBY-5" ONLY. NO WT. CHG.	8-9-43	[illegible]
F	ON FILE: AT CALLOUT OF 28F1117-13, REMOVED NOTE "1x1x1/16 x 30 DIE 78J"; AT CALL OUT OF 28F1117-14 REMOVED NOTE "1/2x1x1/16 x 30 1/2 DIE K78J;" & AT CALL OUT OF 28F1117-15 REMOVED NOTE "1x1x1/16 x 27 3/4 DIE "K78J." WT. CHG. NEG.	9-8-43	[illegible]

MODEL	NEXT ASSY.	REQ.
PBY-5A	28F2236	1
PBY-5	28F2235	1
PBY-4	28F2235	
PBY-3	28F2235	
PBY-2	28F2235	

STD PARTS: AN425-D4 [illegible]

PART NO.	REQ.
Q5728-K1-70	
28F1117-16	2
-15	2
-14	2
-13	2
-6	2
-5	2
-3	2
28F1117-2	2
-701	2
-700	2
-5	1 (PBY-5 & PBY-5A)
-4	2

REPLACES / REPLACED BY
APPROVED: [illegible] 8-23-38
CALC. WT. 3.49
SCALE 6" = 1'-0" & NOTED
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

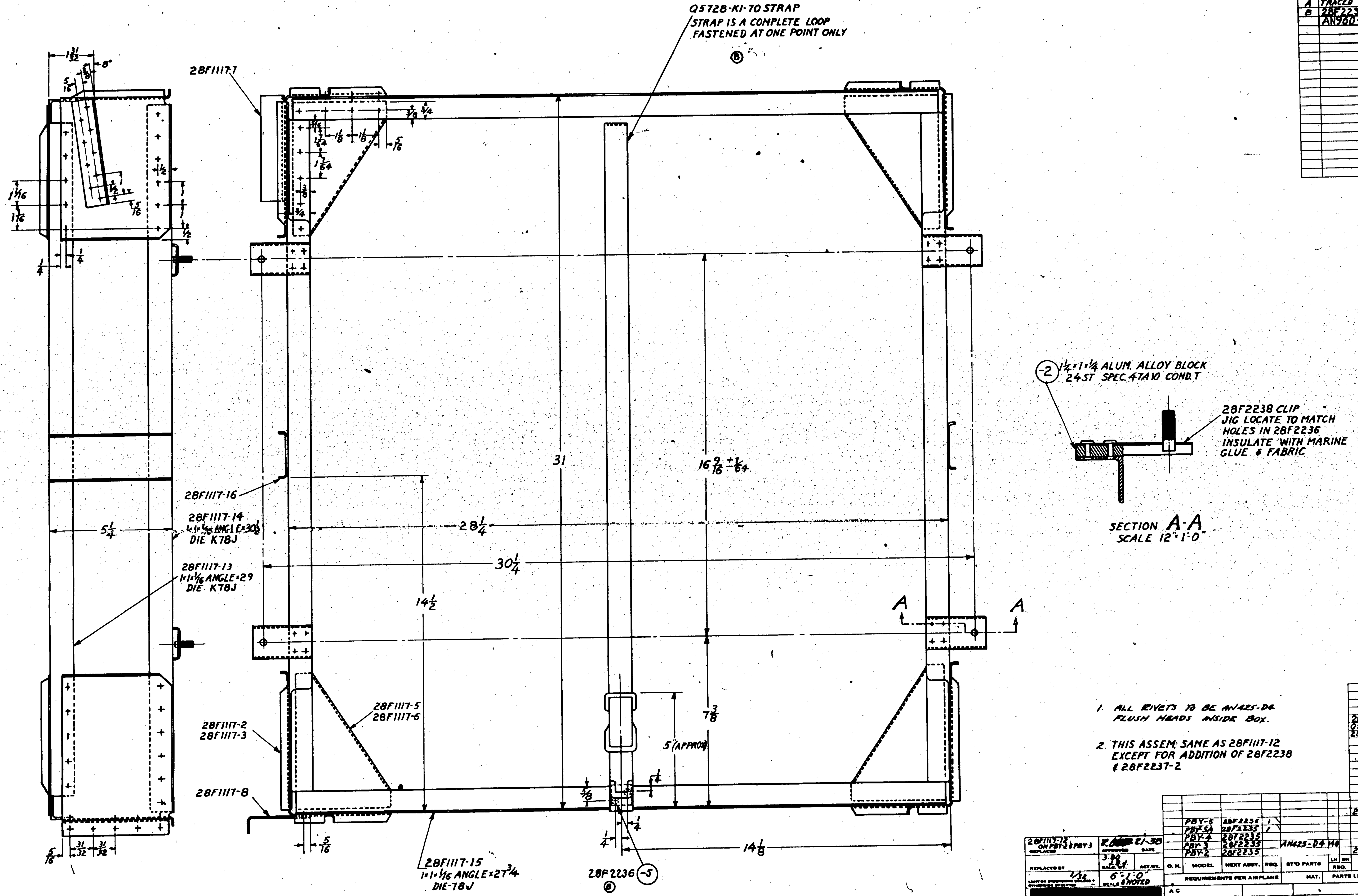
MATERIAL: NOTED — SPEC.: NOTED — HEAT TREAT: NONE — FINISH: Z-P-QP P
AL. ALLOY PARTS — DRAFT: LIVERS 5-23-37 — CHECK: BOULEY 6-28-37

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: RACK ASSEM. FLARE STOWAGE UPPER

DWG. G 28F2236

LET	ALTERATION	DATE	BY
A	TRACED	2-21-38	
B	28F2236-5 (1REQ) WAS AN960-4 (2REQ) NO WT. CHG.		



GF-GREEN PRIME
FINISH CODE

1. ALL RIVETS TO BE AN425-D4 FLUSH HEADS INSIDE BOX.
2. THIS ASSEM. SAME AS 28F1117-12 EXCEPT FOR ADDITION OF 28F2238 & 28F2237-2

PART NO.	REQ.
28F2236-5	1
Q5728-K1-70	1
28F2238	4
-16	2
-15	2
-14	2
-13	2
-8	1
-7	1
-6	2
-5	2
-3	2
28F1117-2	2
28F2237-2	4

MODEL	NEXT ASSY.	REQ.
PBY-5	28F2236	1
PBY-5A	28F2235	1
PBY-4	28F2235	
PBY-3	28F2235	
PBY-2	28F2235	

STD PARTS: AN425-D4 140

REPLACES: 28F1117-12 ON PBY-2 & PBY-3
APPROVED / DATE: 2-21-38
CALC. WT.: 3.80
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32
SCALE: 6"=1'-0" & NOTED

MATERIAL: NAVY NOTED — SPEC.: NOTED — HEAT TREAT: NONE — FINISH: AL ALLOY PARTS Z-P-GP
DRAFT: 6-22-37 — CHECK: 6-28-37

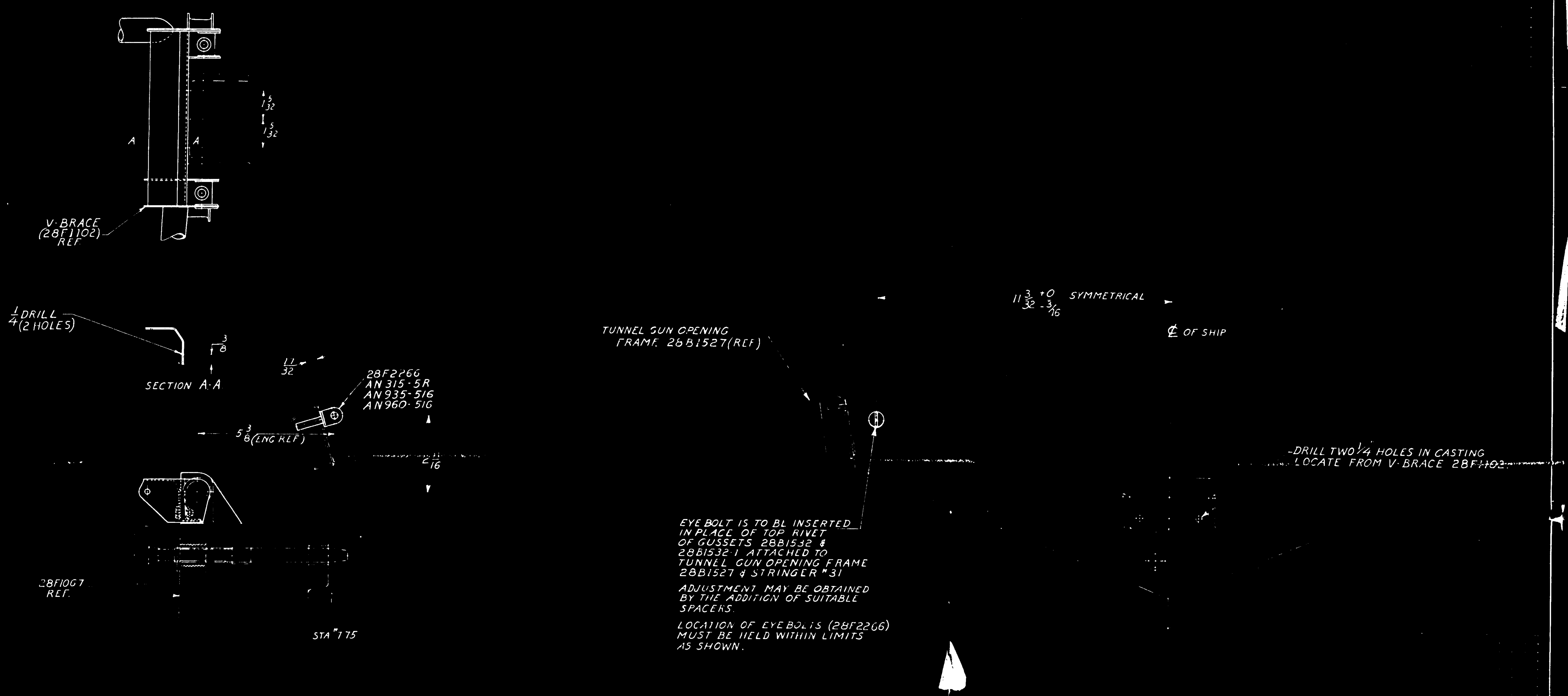
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: RACK ASSEM. FLARE STOWAGE-LOWER

SIZE G — DWG. 28F223

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
D	TRACED	2-14-38	ADAMS
E	ADDED PBY-5 REQ'MTS & NEW. NEXT ASSY	12-14-39	GG



NOTE-
THESE PROVISIONS ARE FOR TARGET TOWING REEL MOUNT 28A2009.

MODEL	NEXT ASSY	REQ	STD PARTS	REQ	PART NO	REQ
PBY-5	28H5080	1	AN960-516	2		
PBY-4	28A2009		AN935-516	2		
PBY-3	28A2009		AN315-5R	2		
PBY-2	28A2009				28F2266	2

APPROVED: LCR 7-14-38
16 JB
SCALE: 6" = 1'-0"
1/64

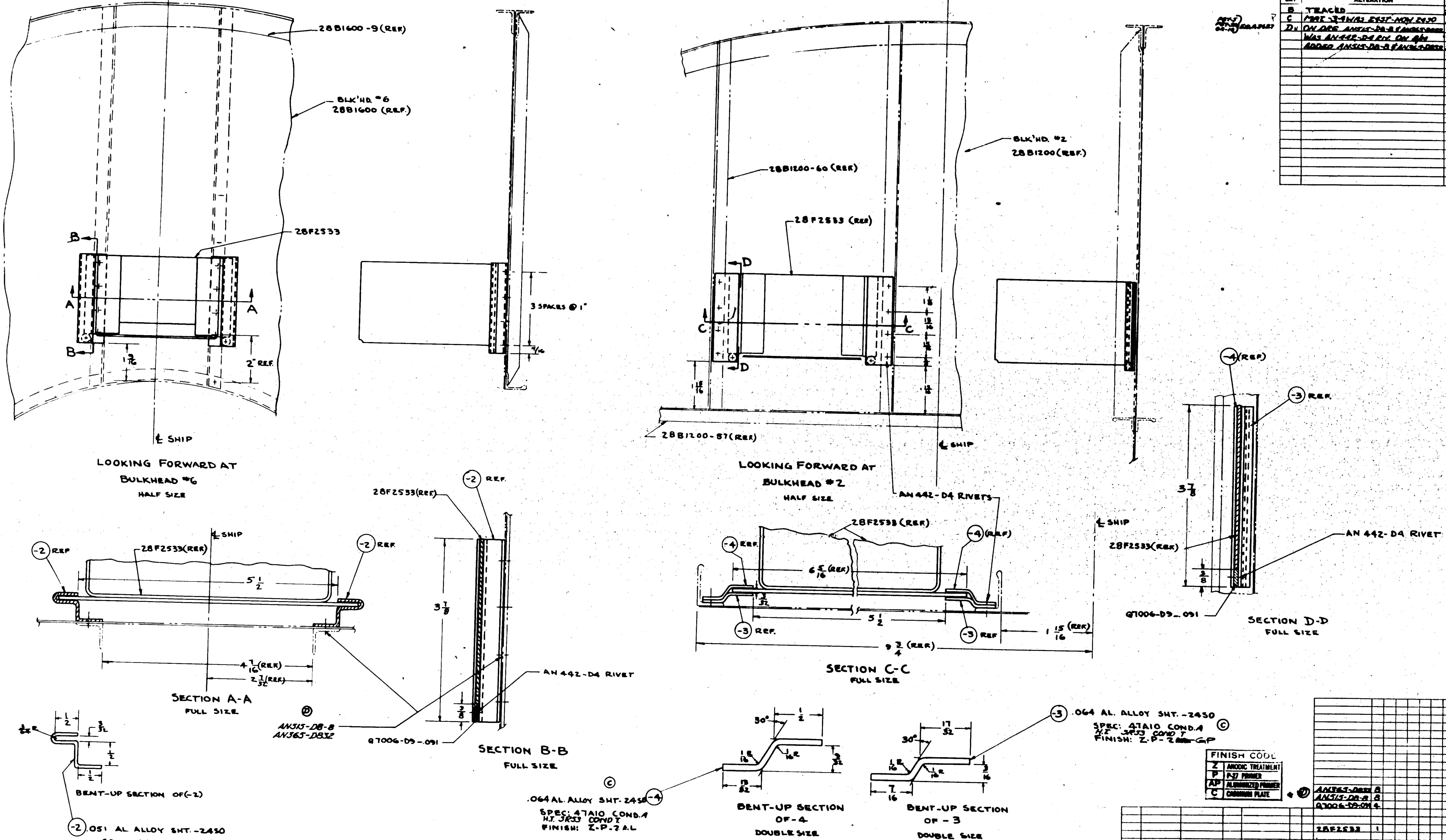
MATERIAL: NONE | SPEC: NONE | HEAT TREAT: NONE | FINISH: NONE

DRAFT: 63037 GC | CHECK: Couch 7637 | EXAM: Moffett | ENG: R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: TOWING EQUIPMENT PROVISION FOR

DWG G 28F2265



LET	ALTERATION	DATE	BY
B	TRACED	2-14-38	
C	MADE -3-4 WAS 24ST-NOW 2450	3-10-38	
D	ON DRG AN315-D8-8 & AN365-D832 WAS AN442-D4 RIV. ON 4 PL. ADDED AN315-D8-8 & AN365-D832	5-16-41	

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY.	STD PARTS	PART NO.	REQ.
			AN365-D832	8
			AN315-D8-8	8
			Q7006-D9-.091	4
			28F2533	1
PBY-4	28F1002		28F2535-4	2
PBY-3	28F1002		28F2535-3	2
PBY-2	28F1002	AN442-D4	28F2535-2	2

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY.

APPROVED: LCW — DATE: 2-14-38

CALC. WT.: .76 TBS.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32

SCALE: NOTED

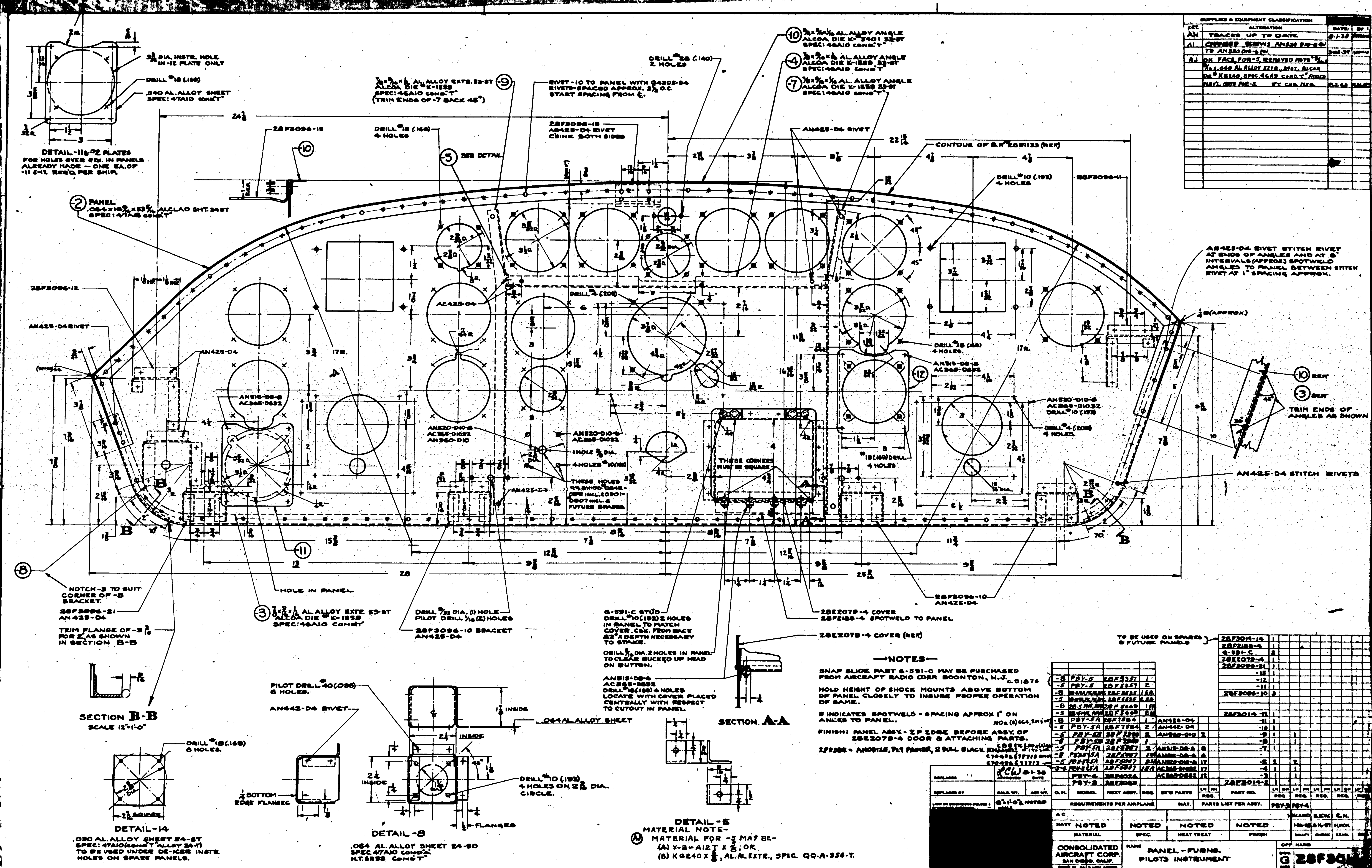
MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NOTED	NOTED

DRAFT: 6-17-37 — CHECK: 6-19-37

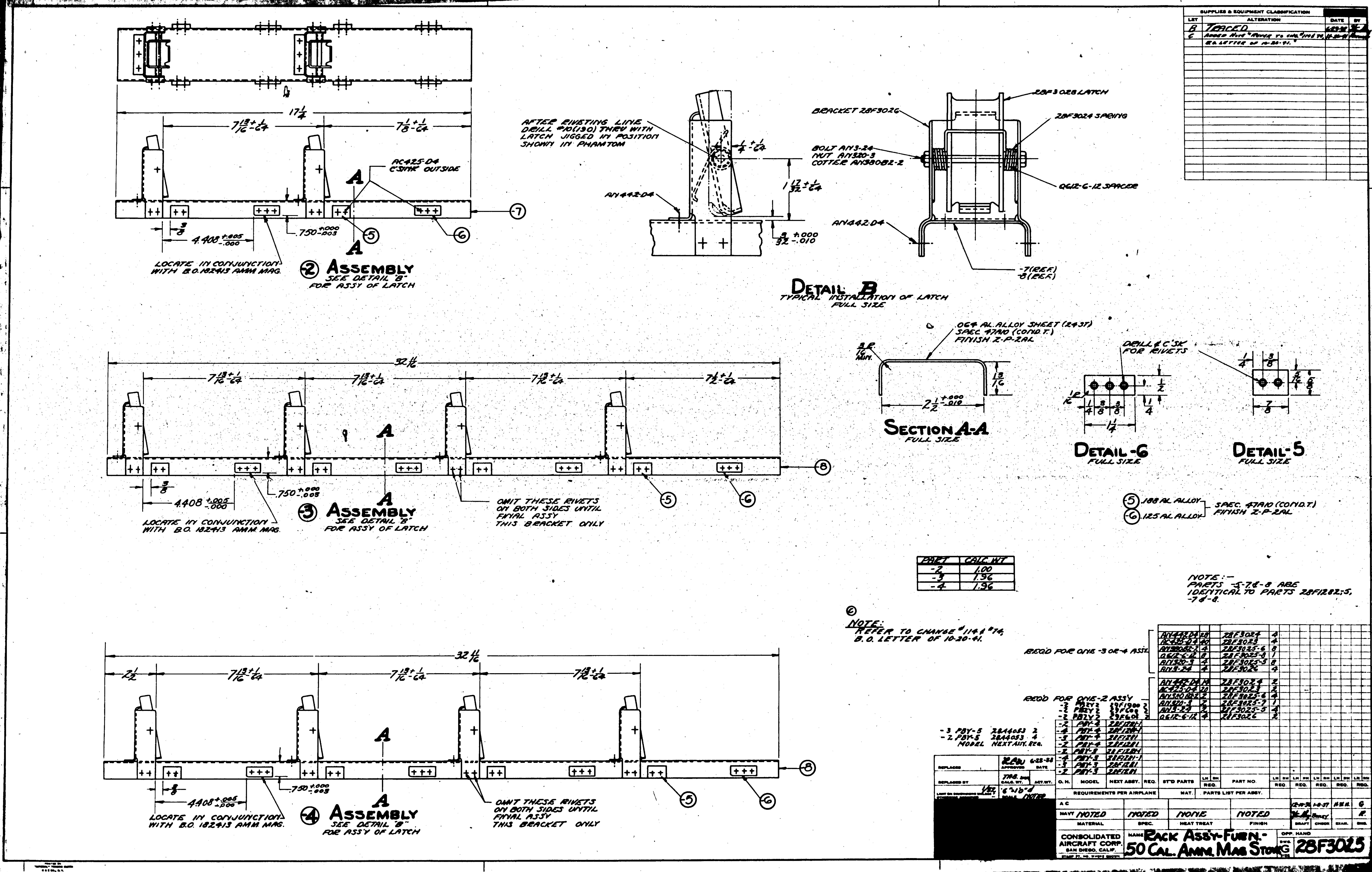
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: INSTALLATION - FURN. COMPASS MOUNTING

DWG. G 28F2535

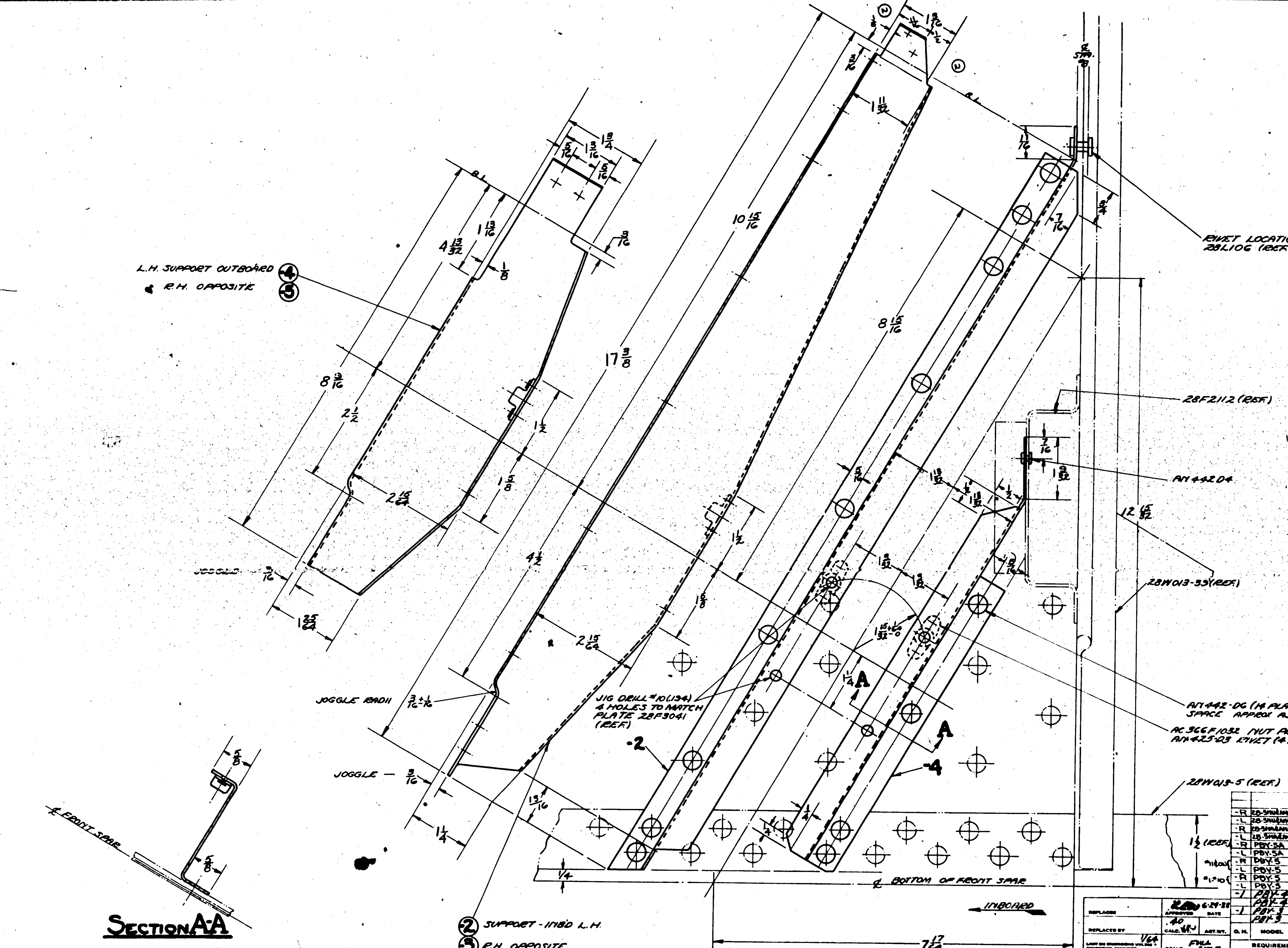


SUPPLIES & EQUIPMENT CLASSIFICATION
LET. | ALTERATION | DATE | BY
AH TRACED UP TO DATE 8-1-38
A1 CHANGED SCREWS AN520 D10-8 (V) TO AN520 D10-6 (V).
A2 ON FACE, FOR -5, REMOVED NOTE ".040 AL. ALLOY EXTR., 24ST, ALCOA DIE K6240, SPEC. 46A9 COND. T" ADDED MAT'L NOTE FOR -5
DETAIL-11 & -12 PLATES FOR HOLES OVER SIZE IN PANELS ALREADY MADE — ONE EA. OF -11 & -12 REQ'D PER SHIP.
3¼ DIA. INSTR. HOLE IN -12 PLATE ONLY
DRILL #18 (.169)
.040 AL. ALLOY SHEET SPEC: 47A10 COND. "T"
28F3096-15
(2) PANEL .064 x 16⅝ x 33⅝ ALCLAD SHT. 24ST SPEC: 47A13 COND. "T"
(9) AL. ALLOY EXTR. 53-ST ALCOA DIE #K-1559 SPEC: 46A10 COND. "T" (TRIM ENDS OF -7 BACK 45°)
RIVET -10 TO PANEL WITH 04305-04 RIVETS-SPACED APPROX. 3½ O.C. START SPACING FROM ℄.
28F3096-13 AN425-D4 RIVET CSINK BOTH SIDES
DRILL #28 (.140) 2 HOLES
(10) AL. ALLOY ANGLE ALCOA DIE K-3401 53-ST SPEC: 46A10 COND. "T"
(4) AL. ALLOY ANGLE ALCOA DIE K-1559 53-ST SPEC: 46A10 COND. "T"
(7) AL. ALLOY ANGLE ALCOA DIE K-1559 53-ST SPEC: 46A10 COND. "T"
AN425-D4 RIVET
CONTOUR OF B.R. 28B1133 (REF)
DRILL #10 (.193) 4 HOLES
28F3096-11
(5) SEE DETAIL
DRILL #18 (.169) 4 HOLES
AN425-D4 RIVET STITCH RIVET AT ENDS OF ANGLES AND AT 5" INTERVALS (APPROX.) SPOTWELD ANGLES TO PANEL BETWEEN STITCH RIVET AT 1" SPACING APPROX.
28F3096-12
AN425-D4 RIVET
AN425-D4
AC425-D4
DRILL #4 (.209)
AN515-D8-8 AC365-D832
AN520-D10-8 AC365-D1032 AN360-D10
AN520-D10-8 AC365-D1032
1 HOLE ⅜ DIA.
4 HOLES #18 (.169)
THESE HOLES ... FUTURE SPARES
AN425-D4
THESE CORNERS MUST BE SQUARE
DRILL #18 (.169) 4 HOLES
AN515-D8-8 AC365-D832
AN520-D10-8 AC365-D1032 DRILL #10 (.193)
DRILL #4 (.209) 4 HOLES
(10) REF
(3) REF
TRIM ENDS OF ANGLES AS SHOWN
AN425-D4 STITCH RIVETS
(12)
(11)
(8)
NOTCH -3 TO SUIT CORNER OF -8 BRACKET.
28F3096-21 AN425-D4
TRIM FLANGE OF -3 ... FOR Z AS SHOWN IN SECTION B-B
HOLE IN PANEL
(3) AL. ALLOY EXTR. 53-ST ALCOA DIE #K-1559 SPEC: 46A10 COND. "T"
DRILL 5/32 DIA. (1) HOLE PILOT DRILL 1/16 (2) HOLES
28F3096-10 BRACKET AN425-D4
G-591-C STUD DRILL #10 (.193) 2 HOLES IN PANEL TO MATCH COVER. CSK. FROM BACK 82° x DEPTH NECESSARY TO STAKE.
DRILL 5/16 DIA. 2 HOLES IN PANEL TO CLEAR BUCKED UP HEAD ON BUTTON.
AN515-D8-8 AC365-D832 DRILL #18 (.169) 4 HOLES LOCATE WITH COVER PLACED CENTRALLY WITH RESPECT TO CUTOUT IN PANEL.
28E2079-4 COVER
28F2188-4 SPOTWELD TO PANEL
28F3096-10 AN425-D4
28E2079-4 COVER (REF)
SECTION A-A
SECTION B-B SCALE 12"=1'-0"
DRILL #18 (.169) 6 HOLES.
DETAIL-14
.030 AL. ALLOY SHEET 24-ST SPEC: 47A10 (COND. "T" ALLOY 24-T) TO BE USED UNDER DE-ICER INSTR. HOLES ON SPARE PANELS.
PILOT DRILL #40 (.098) 6 HOLES.
AN442-D4 RIVET
½ BOTTOM EDGE FLANGES
INSIDE
.064 AL. ALLOY SHEET
DRILL #10 (.193) 4 HOLES ON 2⅜ DIA. CIRCLE.
FLANGES
DETAIL-8
.064 AL. ALLOY SHEET 24-SO SPEC. 47A10 COND. "O" H.T. 5253 COND. "T"
DETAIL-5
(A) MATERIAL NOTE- MATERIAL FOR -5 MAY BE- (A) Y-2-A12T x ... ; OR, (B) K6240 x ⅛, AL. AL. EXTR., SPEC. QQ-A-354-T.
—NOTES—
SNAP SLIDE PART G-591-C MAY BE PURCHASED FROM AIRCRAFT RADIO CORP. BOONTON, N.J.
HOLD HEIGHT OF SHOCK MOUNTS ABOVE BOTTOM OF PANEL CLOSELY TO INSURE PROPER OPERATION OF SAME.
# INDICATES SPOTWELD - SPACING APPROX 1" ON ANGLES TO PANEL.
FINISH: PANEL ASSY. - Z P 2086 BEFORE ASSY. OF 28E2079-4 DOOR & ATTACHING PARTS.
ZP2086 = ANODIZE, P21 PRIMER, 2 DULL BLACK ENAMEL
TO BE USED ON SPARES & FUTURE PANELS
28F3014-14, 28F2188-4, G-591-C, 28E2079-4, 28F3096-21, -15, -12, -11, 28F3096-10, 28F3014-12, -11, -10, -9, -8, -7, -5, -4, -3, 28F3014-2
-8 PBY-5 28F5351 1; -5 PBY-5 28F5357 2; -8 28F5535 1 EA.; -5 28F5535 2 EA.; -8 28F5669 1 EA.; -5 28F5668 2 EA.; -8 PBY-5A 28F7584 1; -5 PBY-5A 28F7584 2; -5 PBY-5B 28F7390 2; -8 PBY-5B 28F7390 1; -5 PBY-5A 28F5367 2; PBY-4 28P4026; PBY-3 28F3003
AN425-D4; AN442-D4; AN360-D10 2; AN515-D8-8 6; AN515-D8-6 4; AN520-D10-8 17; AC365-D1032 17; AC365-D832 12
G.H. | MODEL | NEXT ASSY. | REQ. | STD PARTS | LH RH REQ. | PART NO. | REQ.
REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY. | PBY-3 | PBY-4
REPLACES | APPROVED | DATE 8-1-38
REPLACED BY | CALC. WT. | ACT. WT.
SCALE 6"=1'-0" & NOTED
A C
NAVY NOTED | NOTED | NOTED | NOTED
MATERIAL | SPEC. | HEAT TREAT | FINISH
DRAFT | CHECK | EXAM.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME PANEL - FURNG. PILOTS INSTRUMENT
OPP. HAND
G 28F30



PART	CALC. WT
-2	1.00
-3	1.96
-4	1.96

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
M	TRACED	6-24-[illegible]	[illegible]
N	REMOVED DIM 5/16(2). ADDED DIMS 11/16 & 1/2.	4-28-42	[illegible]



NOTE:-
MATERIAL - .040 ALUM. ALLOY SHT. 24SO
COND. "A" SPEC. 47A10
H.T. TREAT TO COND "T" PER SPEC. 3R-53
ALL BEND RADII 1/16 EXCEPT AS NOTED

FINISH CODE	
Z	[illegible]
P	[illegible]
AP	[illegible]
C	[illegible]

SUPPORT BRACKET INST.
ON FWD. FACE OF FRONT SPAR

Q.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
-R	28-5MA[illegible]	28A5572	1						
-L	28-5MA[illegible]	28A5572	1						
-R	28-5MA[illegible]	28A5572	1						
-L	28-5MA[illegible]	28A5572	1						
-R	PBY-5A	28A5001	1						
-L	PBY-5A	28A5001	1						
-R	PBY-5	28A5001	1						
-L	PBY-5	28A5001	1						
-R	PBY-5	28A3001	1						
-L	PBY-5	28A3001	1						
-1	PBY-4	28A3001		AC366F1032	2	2	-5		1
	PBY-4	28A3001		AN425-D3	4	4	-4	1	
-1	PBY-3	28A3001		AN442-D6	14	14	-3		1
	PBY-3	28A3001		AN442-D4	2	2	28F3042-2	1	

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

REPLACES		APPROVED 6-29-38	DATE
REPLACED BY		CALC. WT. .40	ACT. WT.
	1/64	SCALE FULL SIZE	

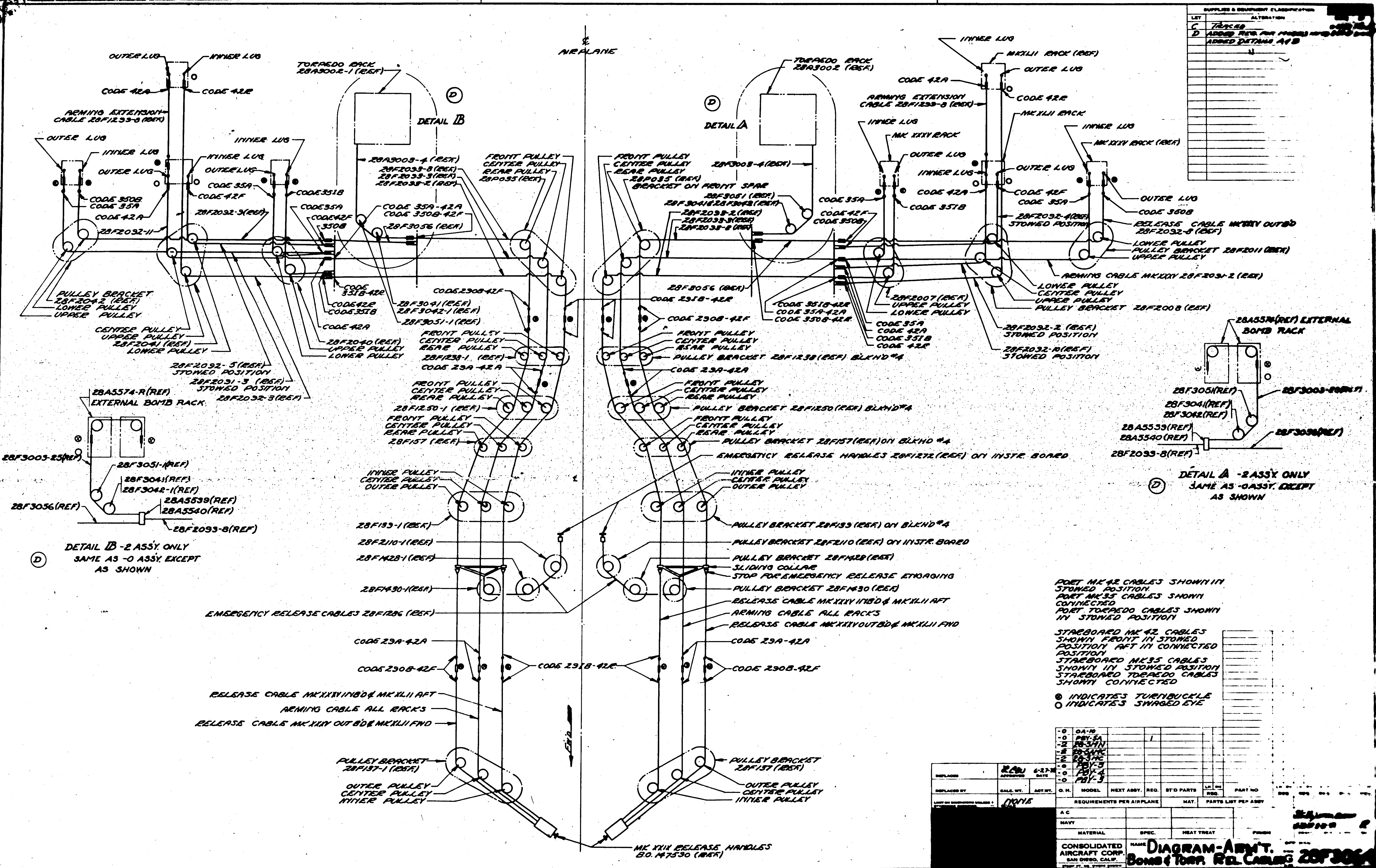
	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	NOTED	NOTED	NOTED	Z-P

DRAFT	CHECK	EXAM.	ENG.
[illegible]		[illegible]	

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: SUPPORT BRK'T TORR REL. PULLEY

OPP. HAND [illegible] — DWG. SIZE G — 28F3042



PORT MK 42 CABLES SHOWN IN STOWED POSITION.
PORT MK 35 CABLES SHOWN CONNECTED
PORT TORPEDO CABLES SHOWN IN STOWED POSITION

STARBOARD MK 42 CABLES SHOWN FRONT IN STOWED POSITION AFT IN CONNECTED POSITION
STARBOARD MK 35 CABLES SHOWN IN STOWED POSITION
STARBOARD TORPEDO CABLES SHOWN CONNECTED

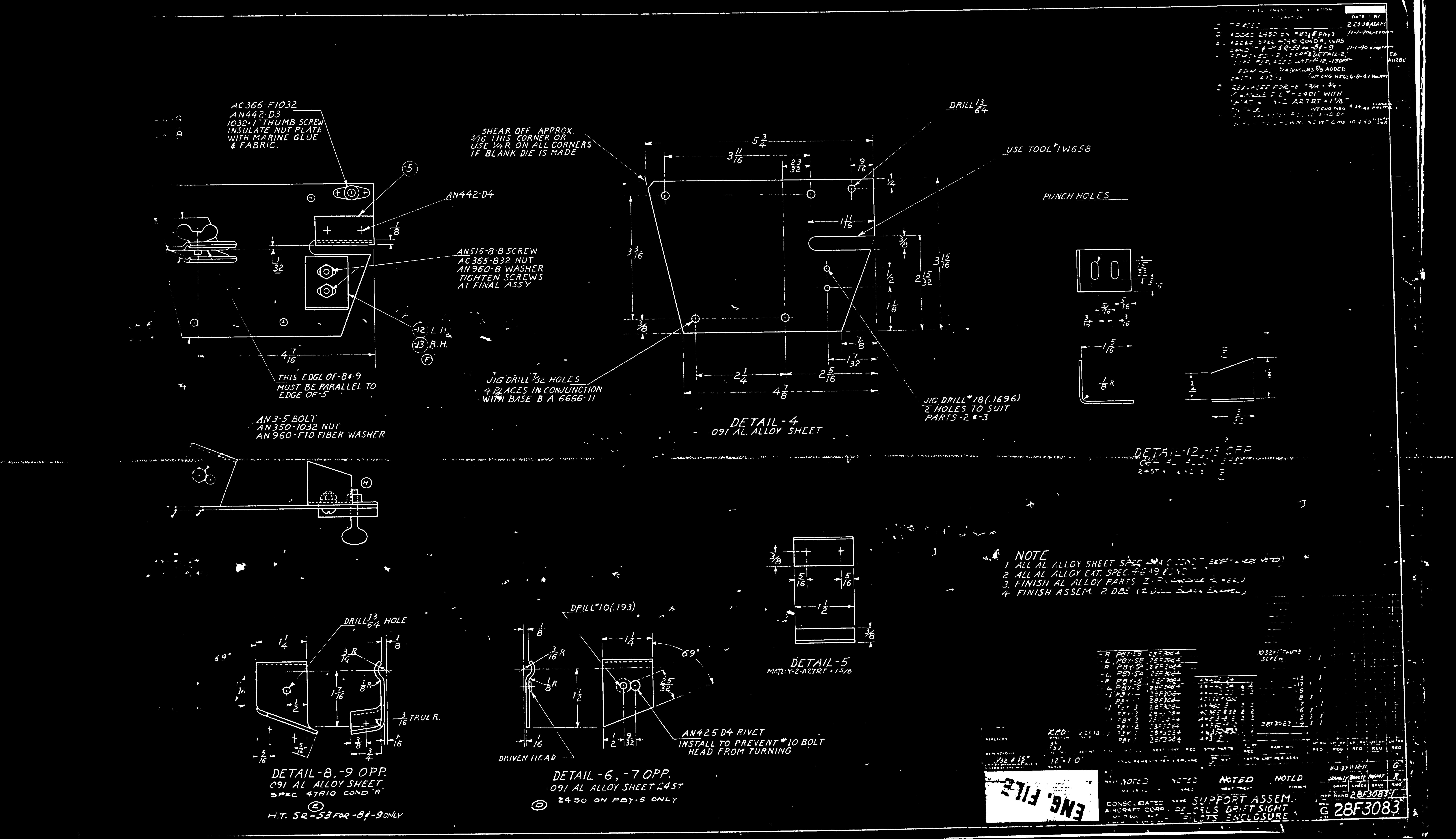
⊗ INDICATES TURNBUCKLE
○ INDICATES SWAGED EYE

LET	ALTERATION
C	TRACED
D	ADDED REQ. FOR ... ADDED DETAILS A & B

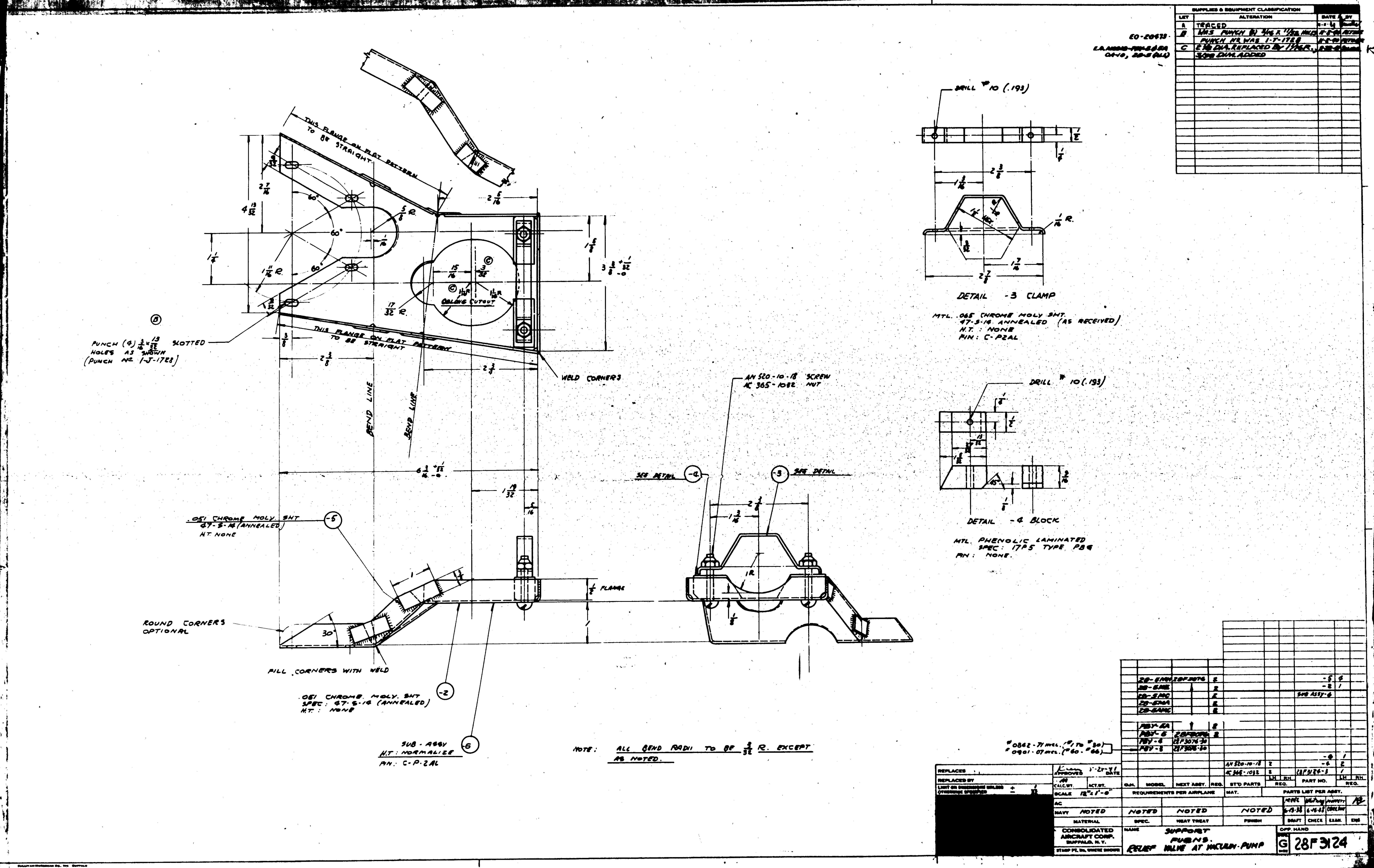
	MODEL
-0	OA-10
-0	PBY-5A
-2	28-5AM
-2	28-5MC
-2	28-5AC
-0	PBY-5
-0	PBY-4
-0	PBY-3

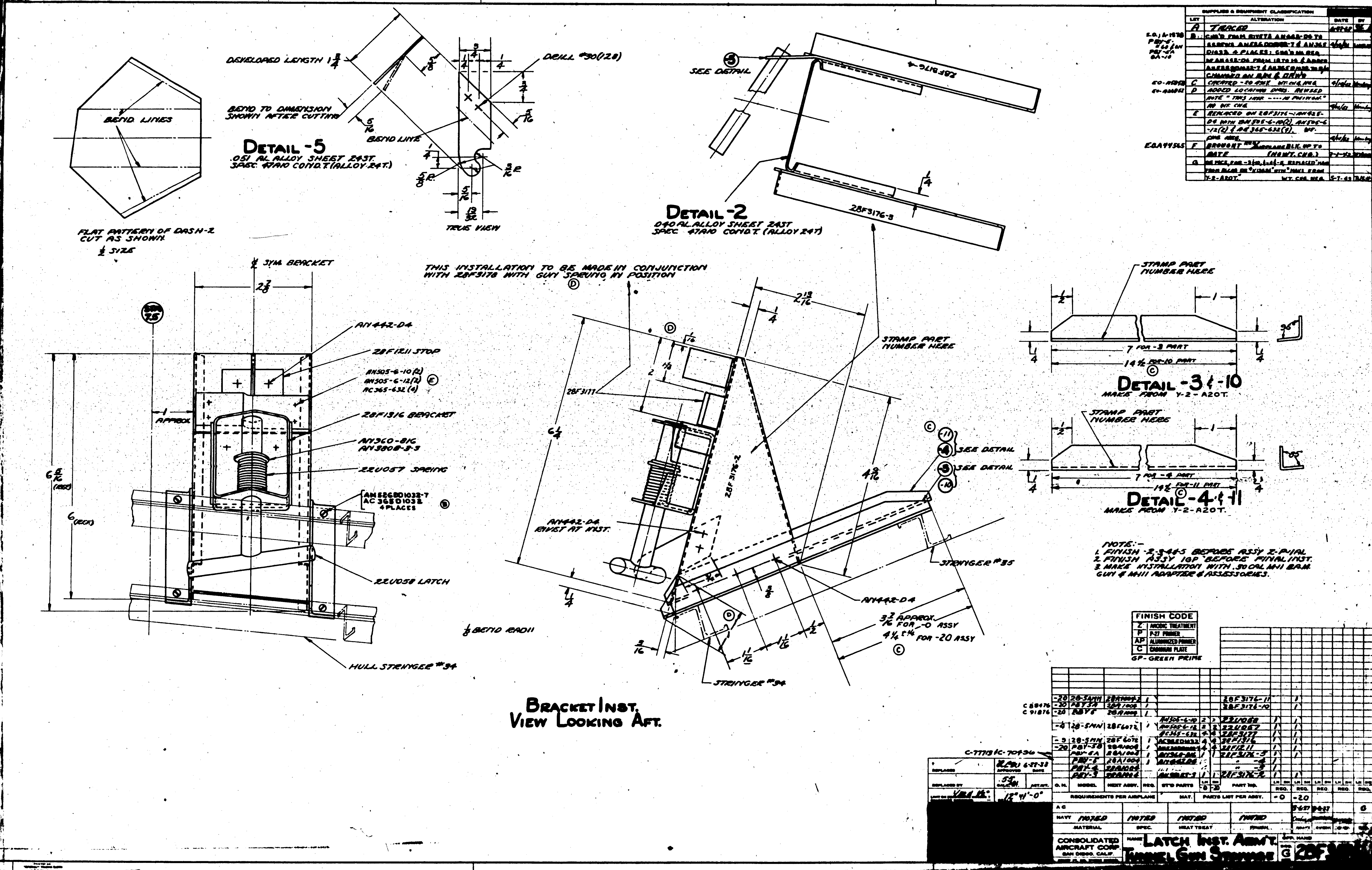
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME DIAGRAM-ARM'T. BOMB & TORP. REL. CABLING 28F306[illegible]



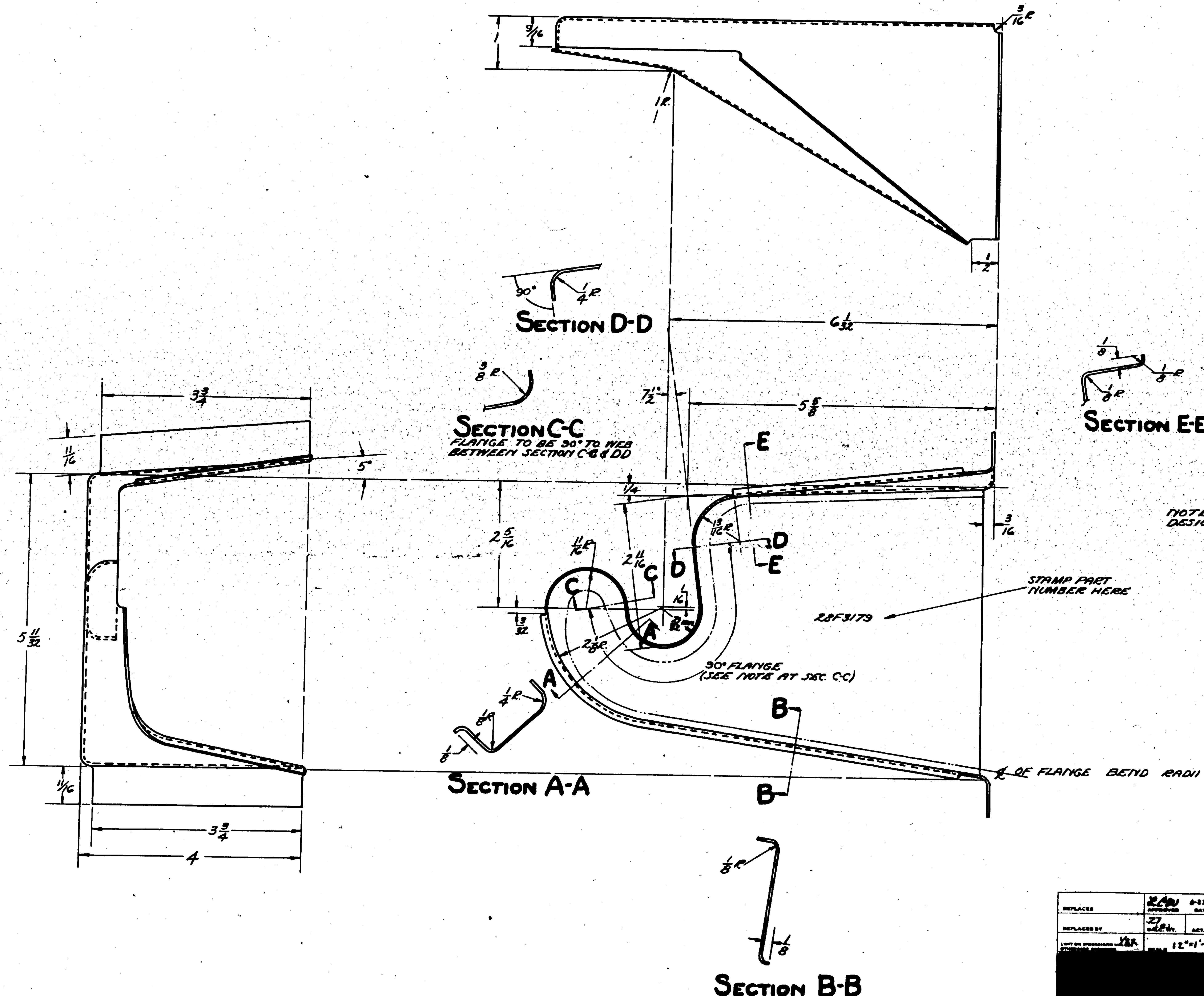
AC366-F1032
AN442-D3
1032×1" THUMB SCREW
INSULATE NUT PLATE WITH MARINE GLUE & FABRIC.
AN442-D4
AN515-8-8 SCREW
AC365-832 NUT
AN960-8 WASHER
TIGHTEN SCREWS AT FINAL ASS'Y
L.H.
R.H.
THIS EDGE OF -8 & 9 MUST BE PARALLEL TO EDGE OF -5
AN3-5 BOLT
AN350-1032 NUT
AN960-F10 FIBER WASHER
SHEAR OFF APPROX 3/16 THIS CORNER OR USE 1/4 R ON ALL CORNERS IF BLANK DIE IS MADE
DRILL 13/64
USE TOOL #1W658
JIG DRILL 7/32 HOLES 4 PLACES IN CONJUNCTION WITH BASE B A 6666-11
JIG DRILL #18 (.1696) 2 HOLES TO SUIT PARTS -2 & -3
DETAIL-4
.091 AL. ALLOY SHEET
PUNCH HOLES
DETAIL-12, -13 OPP.
DETAIL-5
NOTE
1 ALL AL ALLOY SHEET SPEC
2 ALL AL ALLOY EXT. SPEC
3. FINISH AL ALLOY PARTS
4 FINISH ASSEM.
DRILL 13/64 HOLE
TRUE R.
DETAIL-8, -9 OPP.
.091 AL ALLOY SHEET
SPEC 47A10 COND "A"
H.T. 52-53 FOR -8 & -9 ONLY
DRILL #10 (.193)
DRIVEN HEAD
AN425 D4 RIVET
INSTALL TO PREVENT #10 BOLT HEAD FROM TURNING
DETAIL-6, -7 OPP.
.091 AL ALLOY SHEET 24ST
24 SO ON PBY-5 ONLY
ENG. FILE
NOTED
CONSOLIDATED AIRCRAFT CORP.
SUPPORT ASSEM. PELORUS DRIFT SIGHT PILOTS ENCLOSURE
28F3083


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A TRACED
B WAS PUNCH
PUNCH NO. WAS 1-T-1728
C DIA. REPLACED BY R.
DIM. ADDED
EO-20673
DRILL #10 (.193)
DETAIL -3 CLAMP
MTL. .065 CHROME MOLY SHT. 47-S-16 ANNEALED (AS RECEIVED)
H.T.: NONE
FIN: C-P2AL
DRILL #10 (.193)
DETAIL -4 BLOCK
MTL. PHENOLIC LAMINATED SPEC: 17P5 TYPE PB6
FIN: NONE.
THIS FLANGE ON FLAT PATTERN TO BE STRAIGHT
PUNCH (4) SLOTTED HOLES AS SHOWN (PUNCH NO. 1-J-1728)
OBLONG CUTOUT
WELD CORNERS
BEND LINE
AN 520-10-18 SCREW
AC 365-1032 NUT
SEE DETAIL
.051 CHROME MOLY. SHT 47-S-16 (ANNEALED) H.T. NONE
FLANGE
ROUND CORNERS OPTIONAL
FILL CORNERS WITH WELD
.051 CHROME. MOLY. SHT SPEC: 47-S-16 (ANNEALED) H.T.: NONE
SUB-ASSY H.T.: NORMALIZE FIN: C-P-2AL
NOTE: ALL BEND RADII TO BE R. EXCEPT AS NOTED.
#0842-71 INCL. (#1 TO #30)
#0901-07 INCL. (#60-#66)
PBY-5A
PBY-6 28F3076
PBY-4 28F3076-30
PBY-3 28F3076-30
AN 520-10-18
AC 365-1032
28F3124-3
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED DATE
CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG
G.M. MODEL NEXT ASSY. REQ. STD PARTS REQ. PART NO. REQ.
REQUIREMENTS PER AIRPLANE MAT. PARTS LIST PER ASSY.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME SUPPORT RELIEF VALVE AT VACUUM-PUMP
OPP. HAND
G 28F3124


DETAIL -5
.051 AL ALLOY SHEET 24ST. SPEC. 47A10 COND.T (ALLOY 24T.)
DEVELOPED LENGTH 1 3/4
BEND TO DIMENSION SHOWN AFTER CUTTING
BEND LINE
BEND LINES
TRUE VIEW
DRILL #30 (.128)
FLAT PATTERN OF DASH-2 CUT AS SHOWN
1/2 SIZE
DETAIL -2
.040 AL.ALLOY SHEET 24ST SPEC. 47A10 COND.T (ALLOY 24T)
SEE DETAIL
28F3176-3
28F3176-4
THIS INSTALLATION TO BE MADE IN CONJUNCTION WITH 28F3178 WITH GUN SPRING IN POSITION
℄ SYM. BRACKET
AN442-D4
28F1211 STOP
AN505-6-10 (2)
AN505-6-12 (2)
AC365-632 (4)
28F1316 BRACKET
AN360-816
AN380B-3-3
22U057 SPRING
AN526B01032-7
AC365D1032
4 PLACES
22U058 LATCH
HULL STRINGER #34
APPROX
1/8 BEND RADII
28F3177
28F3176-2
AN442-D4 RIVET AT INST.
STAMP PART NUMBER HERE
SEE DETAIL
STRINGER #35
AN442-D4
3 3/16 APPROX. FOR -0 ASSY
4 1/4 ±1/16 FOR -20 ASSY
STRINGER #34
BRACKET INST.
VIEW LOOKING AFT.
STAMP PART NUMBER HERE
7 FOR -3 PART
14 1/2 FOR -10 PART
DETAIL -3 & -10
MAKE FROM Y-2-A20T.
STAMP PART NUMBER HERE
7 FOR -4 PART
14 1/2 FOR -11 PART
DETAIL -4 & -11
MAKE FROM Y-2-A20T.
NOTE:-
1. FINISH -2-3-4-5 BEFORE ASSY Z-P-1AL
2. FINISH ASSY IGP BEFORE FINAL INST.
3. MAKE INSTALLATION WITH .50 CAL. M-II B.A.M. GUN & M-III ADAPTER & ACCESSORIES.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP - GREEN PRIME
SUPPLIES & EQUIPMENT CLASSIFICATION
LTR ALTERATION DATE BY
A TRACED
B CHG'D FROM RIVETS AN442-D6 TO SCREWS AN526B01032-7 & AN365 D1032 4 PLACES; CHG'D AN380 ... CHANGED AN 380 & DRW'G
C CREATED -20 ASSY. WT. INC. NEG.
D ADDED LOCATING DIMS. REVISED NOTE "THIS INST ---- IN POSITION." NO WT. CHG.
E REPLACED ON 28F3176- ... AN505-6-10(2), AN505-6-12(2) & AC365-632(4). WT. CHG NEG.
F BROUGHT ... UP TO DATE (NO WT. CHG.)
G ... Y-2-A20T. WT. CHG. NEG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
LATCH INST. ASS'M'T. TUNNEL GUN STOWAGE
28F3176
MATERIAL NOTED
SPEC. NOTED
HEAT TREAT NOTED
FINISH NOTED
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
28F3176-11
28F3176-10
22U058
22U057
28F3177
28F1316
28F1211
28F3176-5
28F3176-2
PBY-5A
PBY-5
PBY-6A
12" = 1'-0"

LET	ALTERATION	DATE	BY
C	TRACED	6-29-39	

SUPPLIES & EQUIPMENT CLASSIFICATION



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O. H.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28F3178	1
	PBY-6A	28F3178	1
	PBY-4	28F3178	
	PBY-3	28F3178	

REQUIREMENTS PER AIRPLANE — ST'D PARTS — MAT. — PARTS LIST PER ASSY.

REPLACES — APPROVED: [illegible] — DATE: 6-28-38

REPLACED BY — CALC. WT.: .27 — ACT. WT.

SCALE: 12"=1'-0

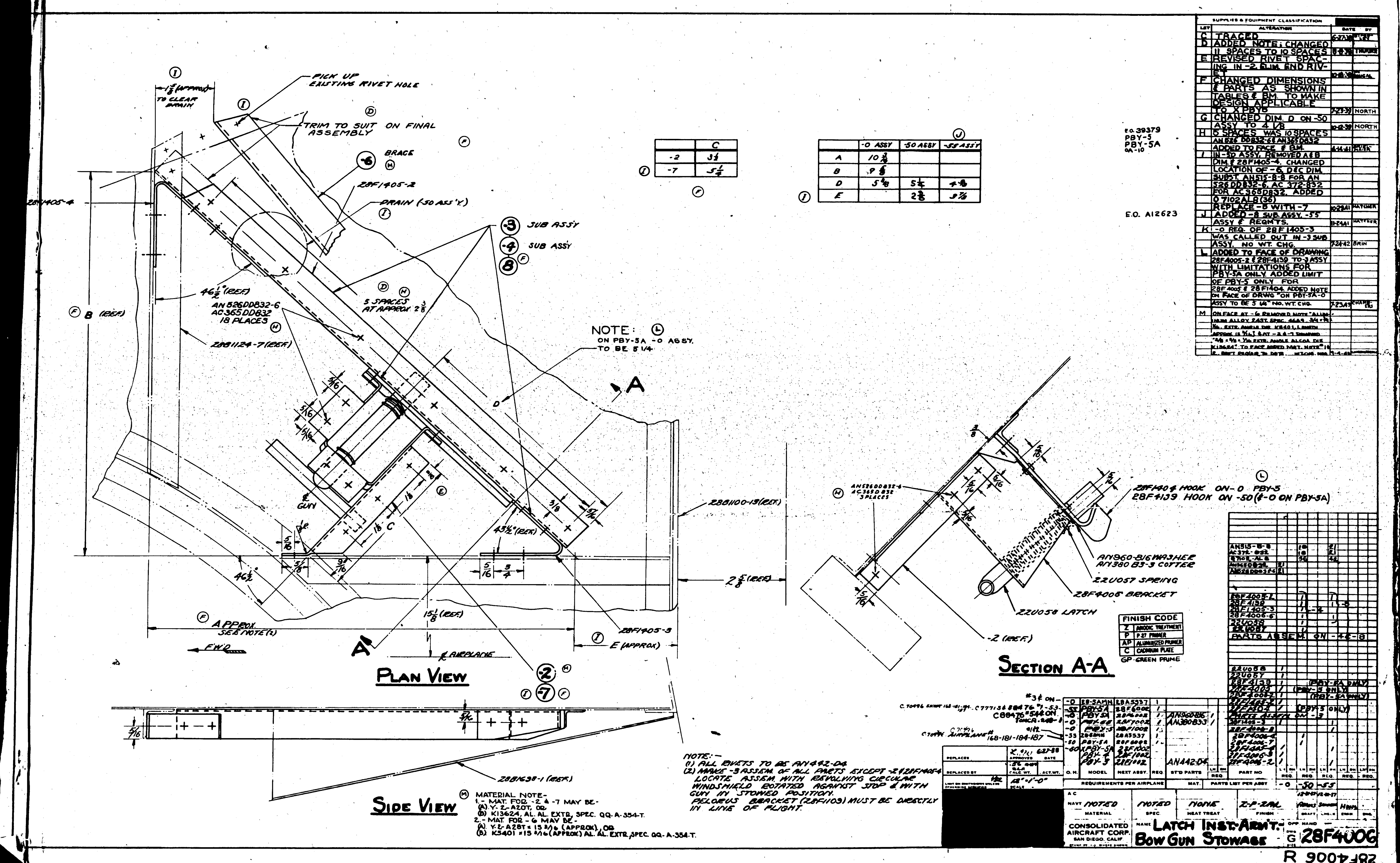
AC

NAVY MATERIAL: 24SO (.040) AL ALLOY — SPEC.: 47Al0(cond.A) ALLOY 24S — HEAT TREAT: SR-53 COND. T — FINISH: Z-P-1[illegible]

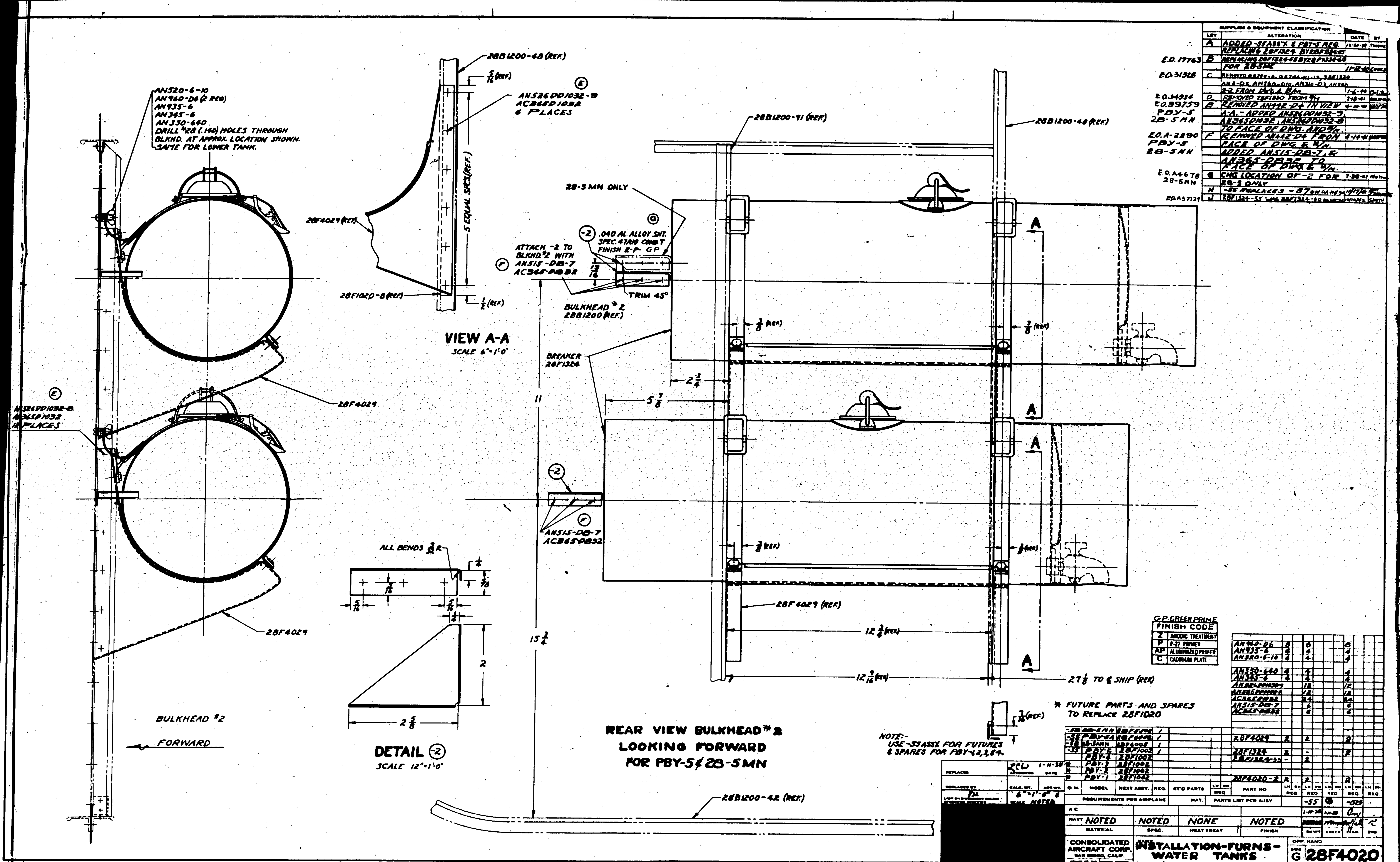
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: **HOOK-ARM'T TUNNEL GUN STOW.**

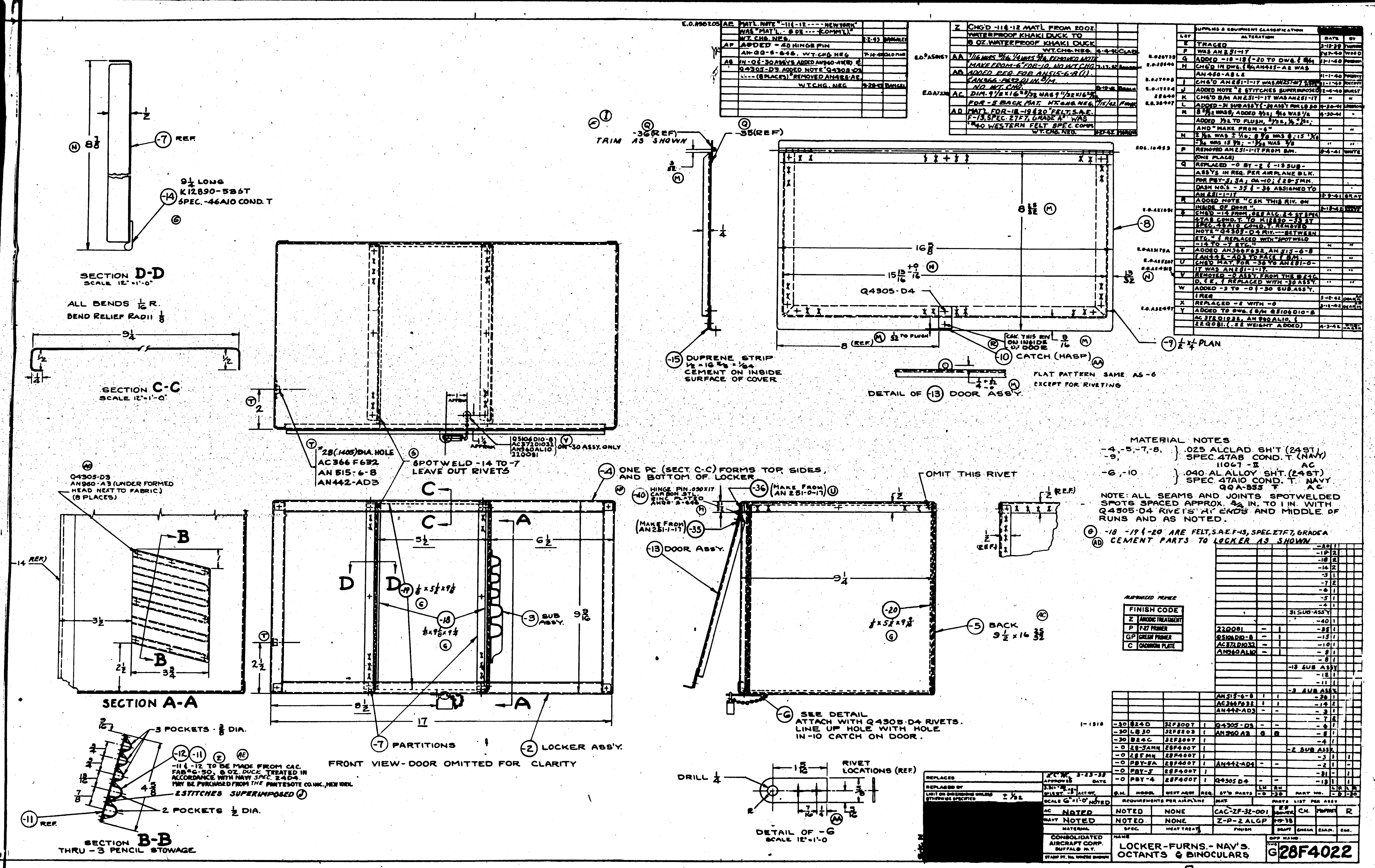
DWG. G — **28F3179**

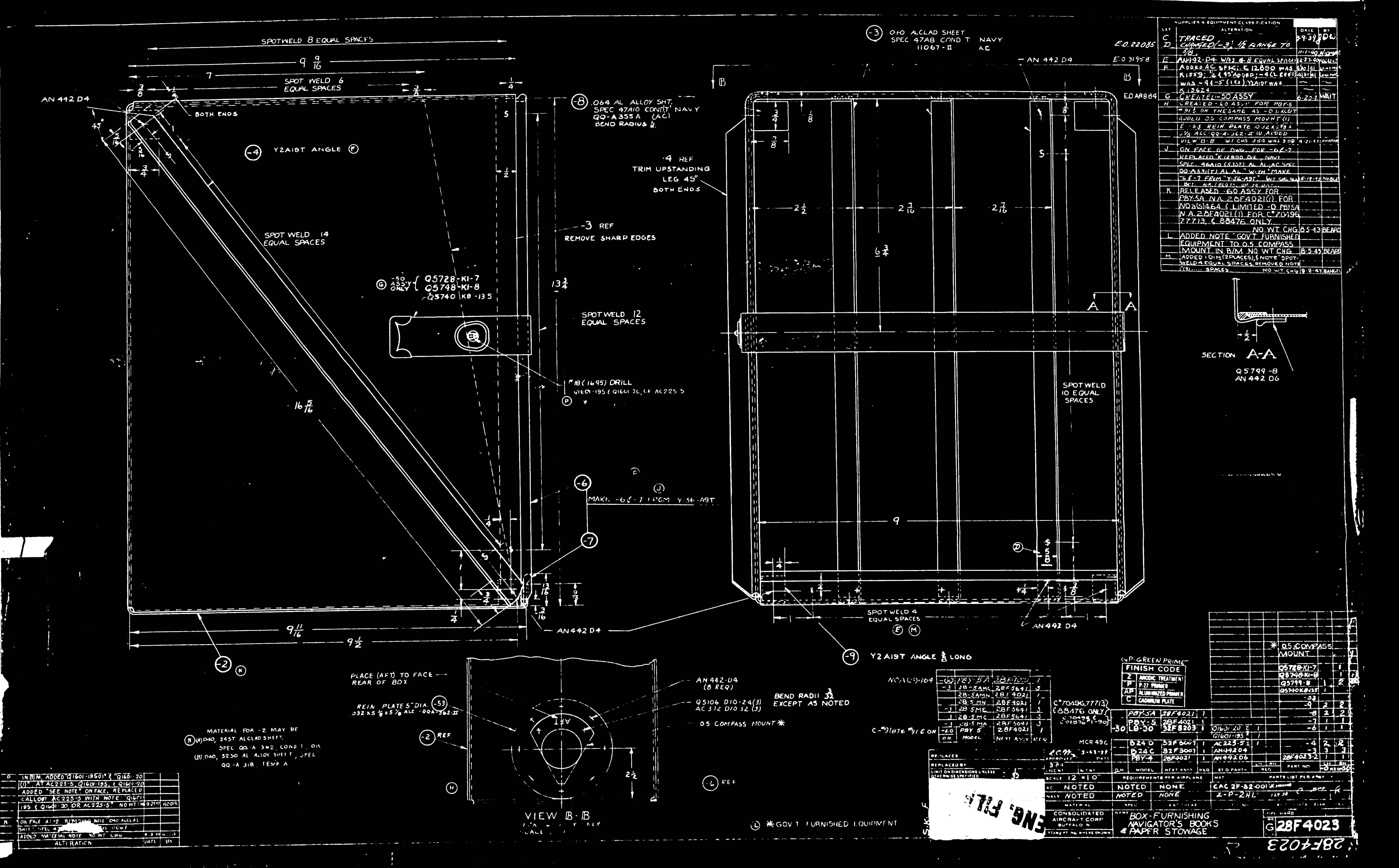


SUPPLIES & EQUIPMENT CLASSIFICATION
C TRACED
D ADDED NOTE; CHANGED 11 SPACES TO 10 SPACES
E REVISED RIVET SPACING IN -2, ELIM. END RIVET
F CHANGED DIMENSIONS & PARTS AS SHOWN IN TABLES & BM. TO MAKE DESIGN APPLICABLE TO XPBY5
G CHANGED DIM. D ON -50 ASSY TO 4 1/8
H 5 SPACES WAS 10 SPACES AN526 DD832-6 & AN365D832 ADDED TO FACE & BM.
I IN -50 ASSY. REMOVED A & B DIM. & 28F1405-4. CHANGED LOCATION OF -6, DEC DIM. SUBST. AN515-8-8 FOR AN526DD832-6, AC 372-832 FOR AC365D832. ADDED 07102AL8(36) REPLACE -5 WITH -7
J ADDED -8 SUB ASSY. -55 ASSY & REQMTS.
K -0 REQ. OF 28F1405-3 WAS CALLED OUT IN -3 SUB ASSY. NO WT. CHG.
L ADDED TO FACE OF DRAWING 28F4005-2 & 28F4139 TO -3 ASSY WITH LIMITATIONS FOR PBY-5A ONLY. ADDED LIMIT OF PBY-5 ONLY FOR 28F4005 & 28F1404. ADDED NOTE ON FACE OF DRWG "ON PBY-5A -0 ASSY TO BE 5 1/4" NO WT. CHG.
M ON FACE AT -6 REMOVED NOTE
E.O. 39379
PBY-5
PBY-5A
E.O. A12623
PICK UP EXISTING RIVET HOLE
TRIM TO SUIT ON FINAL ASSEMBLY
TO CLEAR DRAIN
-6 BRACE
28F1405-2
DRAIN (-50 ASS'Y)
28F1405-4
-3 SUB ASSY
-4 SUB ASSY
8
46 1/2" (REF.)
AN 526DD832-6
AC 365D832
18 PLACES
5 SPACES AT APPROX. 2 3/8
B (REF.)
28B1124-7 (REF.)
NOTE: ON PBY-5A -0 ASSY. TO BE 5 1/4
A
℄ GUN
C
43 1/2" (REF.)
28B1100-13 (REF.)
2 5/8 (REF.)
15 1/8 (REF.)
APPROX. SEE NOTE (2)
FWD
℄ AIRPLANE
E (APPROX)
28F1405-3
PLAN VIEW
-2
-7
	C
-2	3 1/2
-7	5 1/4
	-0 ASSY	-50 ASSY	-55 ASSY
---	---	---	---
A	10 3/8		
B	9 5/8		
D	5 1/8	5 1/2	4 1/8
E		2 3/8	3 7/8
AN526DD832-6
AC365D832
3 PLACES
28F1404 HOOK ON -0 PBY-5
28F4139 HOOK ON -50 (& -0 ON PBY-5A)
AN960-816 WASHER
AN380 B3-3 COTTER
22U057 SPRING
28F4005 BRACKET
22U058 LATCH
-2 (REF.)
SECTION A-A
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP GREEN PRIME
28B1638-1 (REF.)
SIDE VIEW
MATERIAL NOTE-
1.- MAT. FOR -2 & -7 MAY BE-
(A) Y-2-A20T, OR
(B) K13624, AL. AL. EXTR. SPEC. QQ-A-354-T.
2.- MAT. FOR -6 MAY BE-
(A) Y-2-A28T × 15 3/16 (APPROX), OR
(B) K5401 × 15 3/16 (APPROX) AL. AL. EXTR. SPEC. QQ-A-354-T.
NOTE:-
(1) ALL RIVETS TO BE AN442-D4
(2) MAKE -3 ASSEM. OF ALL PARTS EXCEPT -2 & 28F1405-4 LOCATE ASSEM. WITH REVOLVING CIRCULAR WINDSHIELD ROTATED AGAINST STOP & WITH GUN IN STOWED POSITION.
PELORUS BRACKET (28F1103) MUST BE DIRECTLY IN LINE OF FLIGHT.
PARTS ASSEM. ON -4 & -8
AN515-8-8
AC372-832
07102-AL8
AN526DD832-6
28F4005-2
28F4139
28F1405-3
28F4005-6
22U058
22U057
PBY-5A ONLY
PBY-5 ONLY
PARTS ASSEM. ON -3
AN960-816
AN380B3-3
AN442-D4
28-5AMN
PBY-5A
PBY-5
XPBY-5A
PBY-4
PBY-3
28A5537
28F6002
28F1002
MODEL
NEXT ASSY.
REQ.
STD PARTS
MAT.
PARTS LIST PER ASSY
PART NO.
REQUIREMENTS PER AIRPLANE
NAVY NOTED
NOTED
NONE
Z-P-ZAL
MATERIAL
SPEC
HEAT TREAT
FINISH
SCALE 12"=1'-0"
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
LATCH INST.-ARM'T.-BOW GUN STOWAGE
G
28F4006
R 28F4006

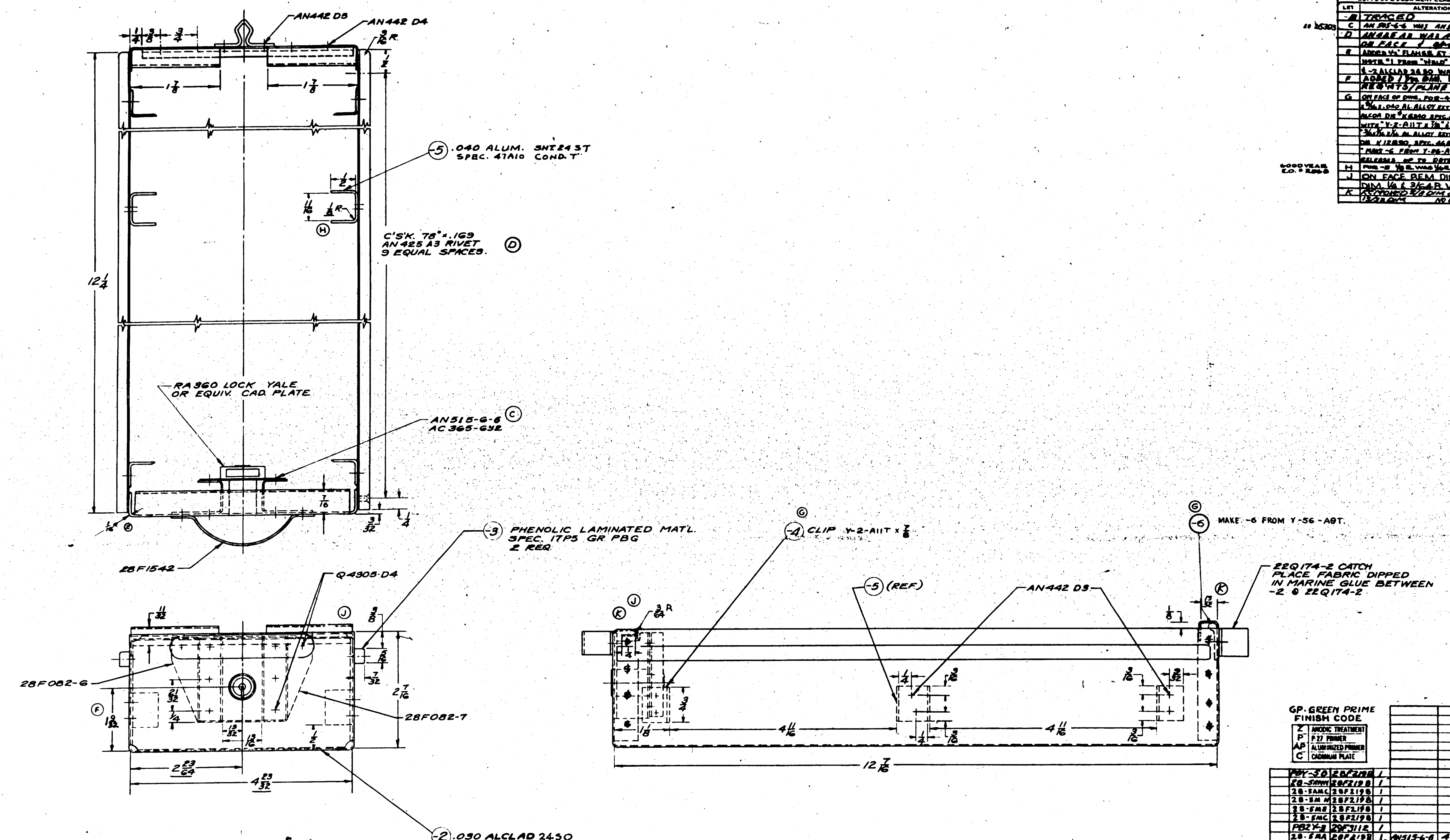


SUPPLIES & EQUIPMENT CLASSIFICATION
A ADDED -55 ASS'Y & PBY-5 REQ REPLACING 28F1324 BY 28F1324-55
E.O. 17763 B REPLACING 28F1324-55 BY 28F1324-60 FOR 28-5ME
E.O. 31528 C
E.O. 34924 D REMOVED 28F1330 FROM 4/H
E.O. 39759 PBY-5 28-5MN E REMOVED AN442-D4 IN VIEW A-A. - ADDED AN526DD1032-9, AB365D1032 ; AN526DD1032-8 TO FACE OF DWG. AND 4/H.
E.O. A-2290 PBY-5 28-5MN F REMOVED AN442-D4 FROM FACE OF DWG & B/H. ADDED AN515-DB-7, & AN365-DB32 TO FACE OF DWG & B/H.
E.O. A4678 28-5MN G CHG LOCATION OF -2 FOR 28-5 ONLY
H -55 REPLACES -57
E.O. A57127 J 28F1324-55 WAS 28F1324-60
AN520-6-10
AN960-D6 (2 REQ)
AN935-6
AN345-6
AN350-640
DRILL #28 (.140) HOLES THROUGH BLKHD. AT APPROX LOCATION SHOWN. SAME FOR LOWER TANK.
28B1200-48 (REF.)
AN526DD1032-9
AC365D1032
6 PLACES
5 EQUAL SPC'S (REF.)
28F4029 (REF)
28F1020-8 (REF)
VIEW A-A
SCALE 6" = 1'-0"
28B1200-91 (REF.)
28B1200-48 (REF.)
28-5MN ONLY
.040 AL. ALLOY SHT. SPEC. 47A10 COND. T FINISH E-P- GP
ATTACH -2 TO BLKHD #2 WITH AN515-DB-7 AC365-DB32
TRIM 45°
BULKHEAD #2 28B1200 (REF.)
BREAKER 28F1324
28F4029
AN526DD1032-8
AC365D1032
12 PLACES
AN515-DB-7
AC365-DB32
28F4029 (REF)
12 3/4 (REF)
12 9/16 (REF)
27 1/8 TO ℄ SHIP (REF)
ALL BENDS 3/32 R
DETAIL (-2)
SCALE 12" = 1'-0"
BULKHEAD #2
FORWARD
REAR VIEW BULKHEAD #2
LOOKING FORWARD
FOR PBY-5 & 28-5MN
NOTE:- USE -55 ASSY FOR FUTURES & SPARES FOR PBY-1,2,3,&4.
* FUTURE PARTS AND SPARES TO REPLACE 28F1020
28B1200-42 (REF.)
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
AN960-D6
AN935-6
AN520-6-10
AN350-640
AN345-6
28F4029
28F1324
28F1324-55
28F1020-2
NOTED
NOTED
NONE
NOTED
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
INSTALLATION-FURNS-WATER TANKS
G 28F4020
28F4020


SECTION D-D
SCALE 12"=1'-0"
ALL BENDS 1/16 R.
BEND RELIEF RADII 1/8
SECTION C-C
SCALE 12"=1'-0"
9 1/4 LONG
K12890-5B6T
SPEC. -46A10 COND. T
-7 REF
-36(REF)
TRIM AS SHOWN
-35(REF)
-15 DUPRENE STRIP
1/2 × 16 5/8 × 1/64
CEMENT ON INSIDE SURFACE OF COVER
Q4305-D4
CATCH (HASP)
-9 1/2 × 1/4 PLAN
FLAT PATTERN SAME AS -6 EXCEPT FOR RIVETING
DETAIL OF -13 DOOR ASS'Y.
#28(.1405) DIA. HOLE
AC366 F632
AN 515-6-8
AN442-AD3
SPOTWELD -14 TO -7 LEAVE OUT RIVETS
Q5106D10-8
AC372D1032
AN960AL10
220081
ON -30 ASSY. ONLY
ONE PC. (SECT. C-C) FORMS TOP, SIDES, AND BOTTOM OF LOCKER
OMIT THIS RIVET
MATERIAL NOTES
-4, -5, -7, -8, -9, .025 ALCLAD SH'T (24ST) SPEC. 47A8 COND. T (NAVY) 11067-II AC
-6, -10 .040 AL. ALLOY SHT. (24ST) SPEC. 47A10 COND. T NAVY QQ-A-355 T AC
NOTE: ALL SEAMS AND JOINTS SPOTWELDED SPOTS SPACED APPROX. 3/4 IN. TO 1 IN. WITH Q4305-D4 RIVETS AT ENDS AND MIDDLE OF RUNS AND AS NOTED.
-18 -19 & -20 ARE FELT, S.A.E. F-13, SPEC. 27F7, GRADE A
CEMENT PARTS TO LOCKER AS SHOWN
Q4305-D3
AN960-A3 (UNDER FORMED HEAD NEXT TO FABRIC) (8 PLACES)
SECTION A-A
-3 SUB ASSY.
-19 1/8 × 5 1/2 × 9 1/8
-18
-20 1/8 × 5 1/2 × 9 3/8
-7 PARTITIONS
-2 LOCKER ASS'Y.
FRONT VIEW - DOOR OMITTED FOR CLARITY
HINGE PIN .050 X 17 CARBON STL. ZINC PLATED AN96-5-646
-36 (MAKE FROM AN 251-0-17)
-35 (MAKE FROM AN251-1-17)
-13 DOOR ASS'Y.
-5 BACK 9 1/2 × 16 25/32
-6 SEE DETAIL ATTACH WITH Q4305-D4 RIVETS. LINE UP HOLE WITH HOLE IN -10 CATCH ON DOOR.
3 POCKETS - 3/8 DIA.
-11 & -12 TO BE MADE FROM CAC. FAB #G-50, 8 OZ. DUCK TREATED IN ACCORDANCE WITH NAVY SPEC. 24D4. MAY BE PURCHASED FROM THE PANTASOTE CO. INC., NEW YORK.
2 STITCHES SUPERIMPOSED
2 POCKETS 1/2 DIA.
SECTION B-B
THRU -3 PENCIL STOWAGE
DRILL 1/4
RIVET LOCATIONS (REF.)
DETAIL OF -6
SCALE 12"=1'-0
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
LOCKER-FURNS.-NAV'S. OCTANTS & BINOCULARS
28F4022
CAC-ZF-32-001
Z-P-2 ALGP
R



SPOTWELD 8 EQUAL SPACES
SPOT WELD 6 EQUAL SPACES
AN 442 D4
BOTH ENDS
-4 Y2A19T ANGLE
-8 .064 AL ALLOY SHT. SPEC 47A10 COND'T NAVY QQ-A355A (AC) BEND RADIUS
-4 REF TRIM UPSTANDING LEG 45° BOTH ENDS
-3 REF REMOVE SHARP EDGES
SPOT WELD 14 EQUAL SPACES
-50 ASSY ONLY { Q5728-K1-7 Q5748-K1-8 Q5740 KB-135
SPOTWELD 12 EQUAL SPACES
#18 (1695) DRILL
MAKE -6 & -7 FROM Y-56-A9T
-3 .040 ALCLAD SHEET SPEC 47A8 COND T NAVY 11067-II AC
SPOTWELD 10 EQUAL SPACES
SPOTWELD 4 EQUAL SPACES
AN 442 D4
-9 Y2A19T ANGLE LONG
SECTION A-A
Q5799-8 AN 442 D6
PLACE (AFT) TO FACE REAR OF BOX
REIN PLATE 5" DIA.
AN 442-D4 (8 REQ)
Q5106 D10-24(3) AC 372 D10 32(3)
05 COMPASS MOUNT *
BEND RADII 3/32 EXCEPT AS NOTED
VIEW B-B
MATERIAL FOR -2 MAY BE (A) .040, 24ST ALCLAD SHEET, SPEC QQ-A-362, COND T, OR (B) .040, 52SO AL ALLOY SHEET, SPEC QQ-A-318, TEMP A
* GOV'T FURNISHED EQUIPMENT
FINISH CODE
CONSOLIDATED AIRCRAFT CORP BUFFALO N.Y.
BOX-FURNISHING NAVIGATOR'S BOOKS & PAPER STOWAGE
28F4023



NOTES:

1. SPOT WELD ALL CORNERS (E)
2. CONSTRUCTION OF DRAWER SIMILAR TO 28F082
3. FINISH: Z-P-2GP ON -2, -4, -5, & -6

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
-B	TRACED	3-8-39	[illegible]
C	AN 515-6-6 WAS AN 515-6-5	11-13-40	[illegible]
D	AN425 A3 WAS AN425 D3 ON FACE & 9 (?)	5-12-41	[illegible]
E	ADDED 1/2" FLANGE AT -2; CHANGED NOTE 1 FROM "WELD" TO "SPOT WELD" & -2 ALCLAD 24S0 WAS 47A2 HH	7-11-41	[illegible]
F	ADDED 1 9/32 DIM. BROUGHT REQ'NTS/PLANE TO DATE.	12-1941	[illegible]
G	ON FACE OF DWG. FOR -4, REPLACED 5/8 x 5/8 x .040 AL. ALLOY EXTR. ANGLE (24ST ALCOA DIE K6240 SPEC. AG-2 COND. T) WITH "Y-2-A11T x 7/8" & FOR -6 REPLACED 3/16 x 5/8 x 3/8 AL. ALLOY EXTR. BULB ALCOA DIE K12890, SPEC. AG-2 COND. T WITH "MAKE -6 FROM Y-56-A9T" REQ'T. RELEASED UP TO DATE WT. CHG. NEG.	5-1-43	[illegible]
H	FOR -5 1/8 R. WAS 1/4 R. WT. CHG. NEG.	6-30-43	D. DAY
J	ON FACE REM. DIM. 11/32 ADDED DIM. 1/4 & 3/64 R. WT. CHG. NEG.	9-14-43	BENN
K	REMOVED 3/8 DIM & ADDED 13/32 DIM. NO WT. CHG.	9-27-43	[illegible]

GP-GREEN PRIME FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY	REQ.	STD PARTS	REQ. LH	REQ. RH	PART NO.	REQ.
							Q4305 D4	
	PBY-5B	28F2198	1					
	28-5AMH	28F2198	1				RA360 LOCK	1
	28-5AMC	28F2198	1				22Q174-2	1
	28-5M N	28F2198	1				28F1542	1
	28-5ME	28F2198	1				-7	1
	28-5MC	28F2198	1				28F082-6	1
	PB2Y-3	29F3112	1					
	28-5MA	28F2198	1	AN515-6-6	4			
				AC365-632	4		-6	1
	PBY-5A	28F2198	1	AN442 D5			-5	2
	PBY-5	28F2198	1	AN442 D4			-4	4
	PB2Y-2	29F1059	1	AN442 D3			-3	2
	PBY-4	28F2198		AN425 A3			28F4024-2	1

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64

APPROVED R.C.W. DATE 4-14-39

CALC. WT. .85 — ACT. WT.

SCALE 12" = 1'-0"

AC. — NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NONE	NOTED

DRFT	CHECK	APPR.	ENG.
J.C. HOOVER 1-26-39	CH.	[illegible]	R.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

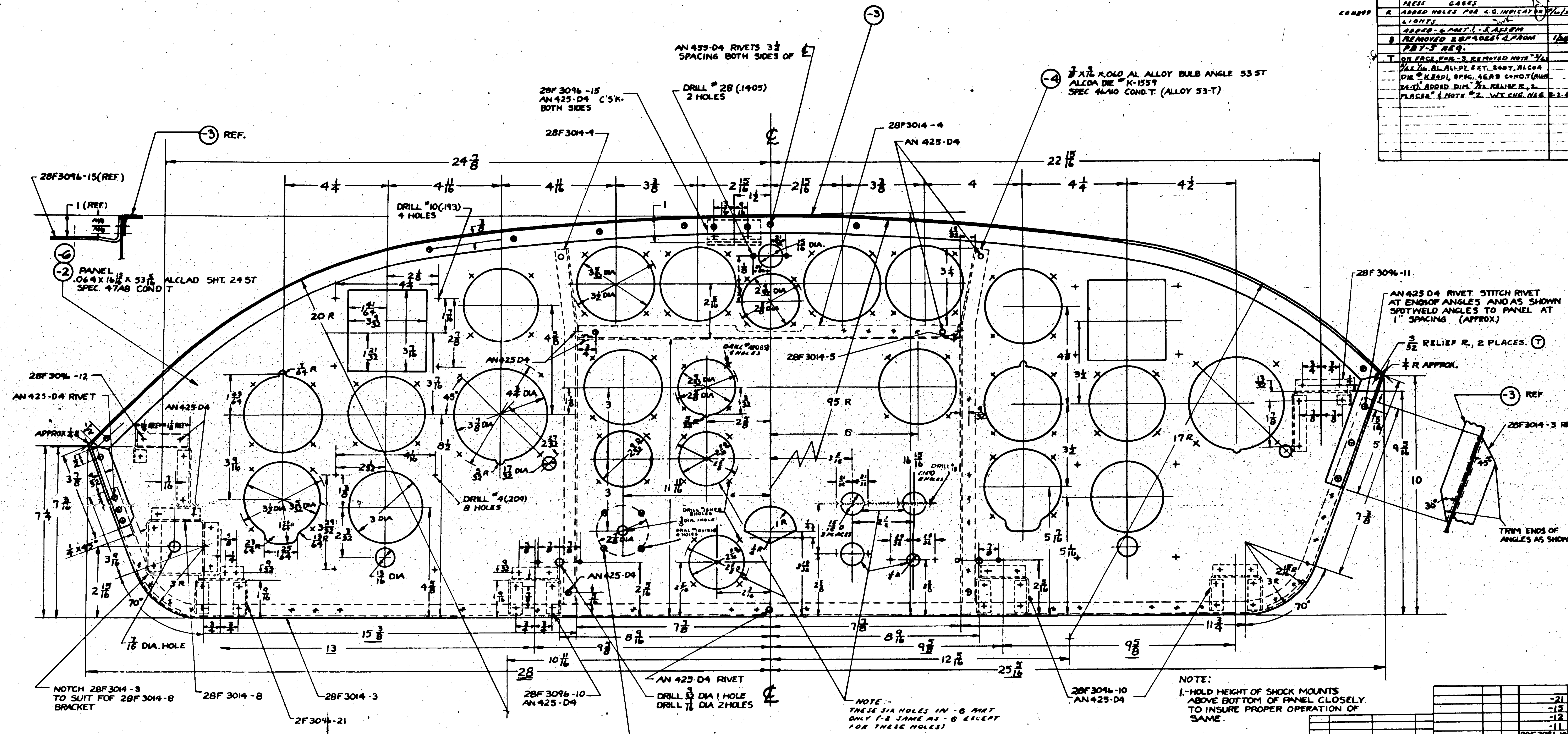
STAMP PT. No. WHERE SHOWN

NAME: DRAWER - FURNS. - NAV. WATCH STOWAGE

OPP. HAND: NONE

DWG. G 28F4024

GOODYEAR C.A.C. R 28F4024



LET	ALTERATION	DATE	BY
P	TRACED UP TO DATE	3-15-39	WILLI
Q	ADDED HOLES FOR HYDRAULIC PRESS GAGES	9/20/39	ELZ
R	ADDED HOLES FOR L.G. INDICATOR LIGHTS	9/20/39	ELZ
	ADDED -6 ASSY. & -5 ASSEM		
S	REMOVED 28F4026-4 FROM PBY-5 REQ.		THOMA
T	ON FACE, FOR -3, REMOVED NOTE "3/64 X 1/16 AL. ALLOY EXT. 24ST, ALCOA DIE #K5401, SPEC. 46A9 COND. T (ALUM 24-T)". ADDED DIM. "3/32 RELIEF R., 2 PLACES" & NOTE #2. WT CHG. NEG	3-2-43	

NOTE:

1.-HOLD HEIGHT OF SHOCK MOUNTS ABOVE BOTTOM OF PANEL CLOSELY TO INSURE PROPER OPERATION OF SAME.

FINISH:
ANODIZE
P27 PRIMER
2 DULL BLACK ENAMEL

NOTES -

1.-SEE C.O.# 7682 FOR PLANES AS DELIVERED.

(T) 2.-MATERIAL FOR -3 MAY BE-
(A) Y-2-A28T, OR
(B) K5401, AL. AL. EXTR., SPEC. QQ-A-354-T.

D.H.	MODEL	NEXT ASSY	REQ.	STD PARTS	LH REQ.	RH REQ.	PART NO.	-0	-5
							-21	1	1
							-15	1	1
							-12	1	1
							-11	1	1
							28F3096-10	3	3
-3	PBY-5A	28F7504	1				28F3014-9	1	1
-3	PBY-5	28F5357	1				28F3014-8	1	1
-3	28-5MN	28F5669	1						
-3	USCG	28F6114	1				28F3014-5	2	2
-3	28-5ME ANC	28F5535	1 EA.				28F3014-4	1	1
-3	28-5MA ANC	28F5535	1 EA.				28F3014-3	1	1
-3	PBY-5B	28F7340	1						
-3	PBY-5A	28F5007	1						
-3	PBY-5A	28F5357	1	AN455-D4			-6		1
-3	PBY-5	28F5007		AN520 D10-6	4		-4	1	1
-5	XPBY-5	28F4008		AC365 D1032	4		-3	1	1
-0	PBY-4	28F4003		AN425-D4			28F4026-2	1	

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES		APPROVED	DATE 9-23-39
REPLACED BY		CALC. WT. 7.20	ACT. WT 7.46
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/64	SCALE 6" = 1'0"	

AC	NAVY NOTED	NOTED	NONE	Z-P-2 DBE
	MATERIAL	SPEC	HEAT TREAT	FINISH

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

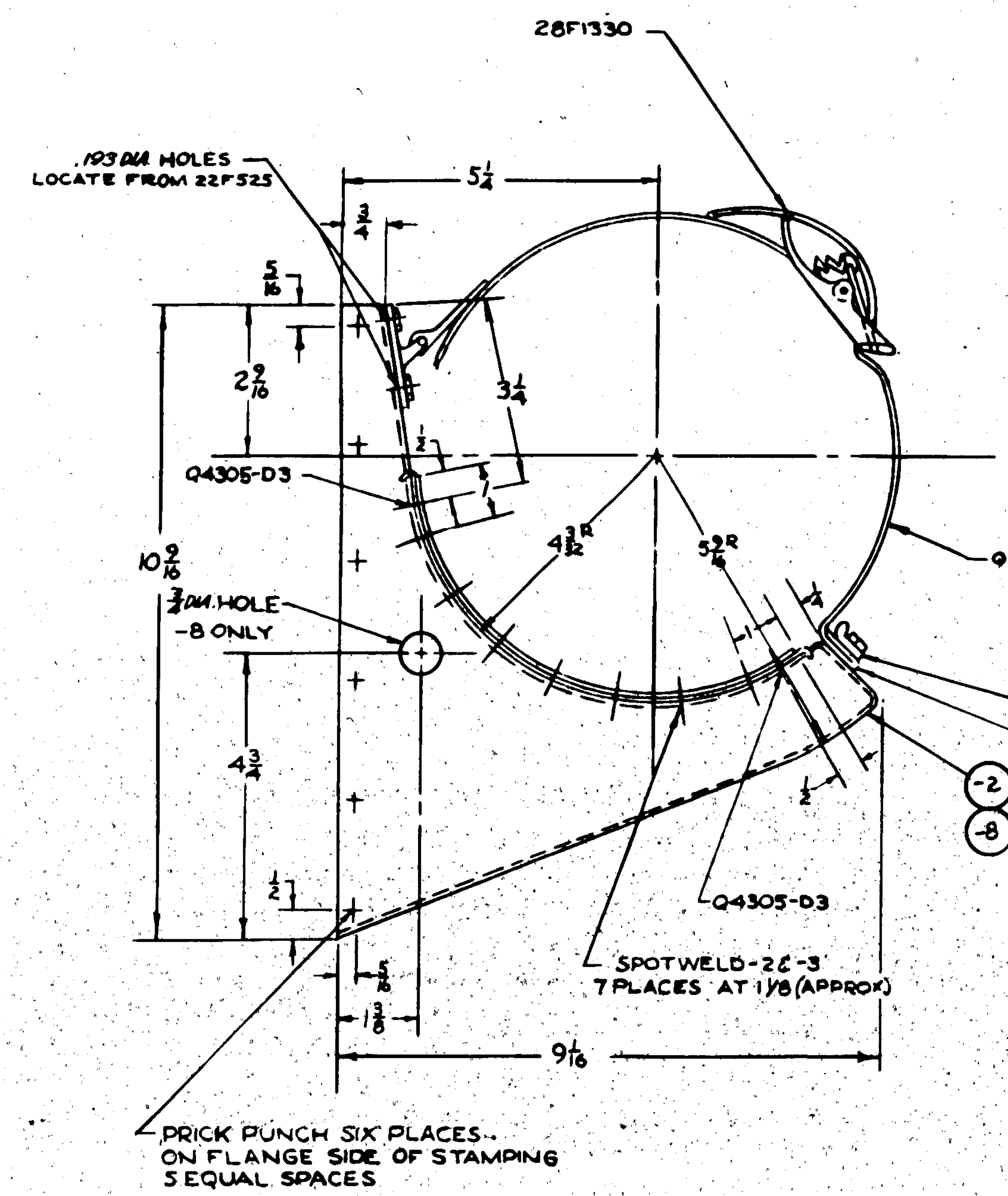
STAMP PT. No. WHERE SHOWN

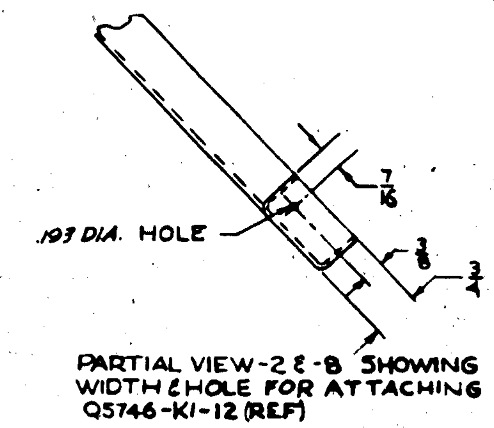
NAME: PANEL - FURNS. PILOTS INSTRUMENTS

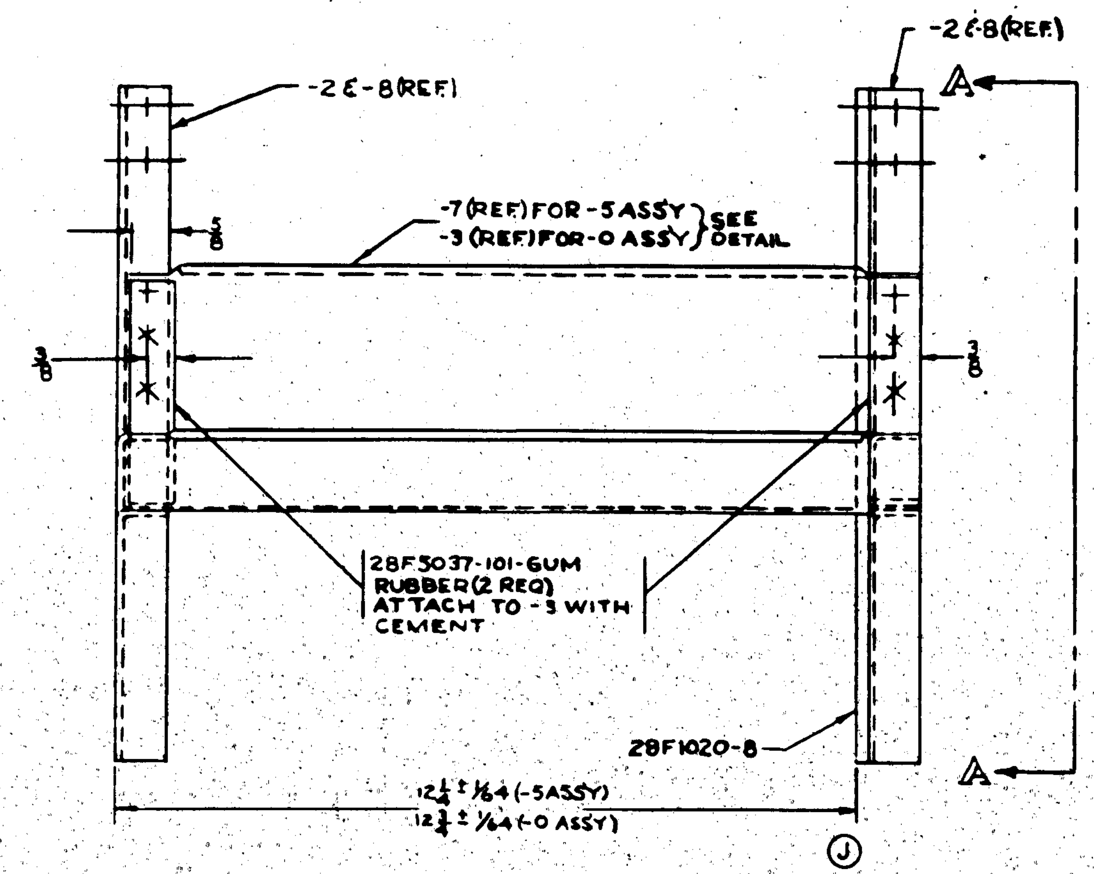
G 28F4026

R 28F4026

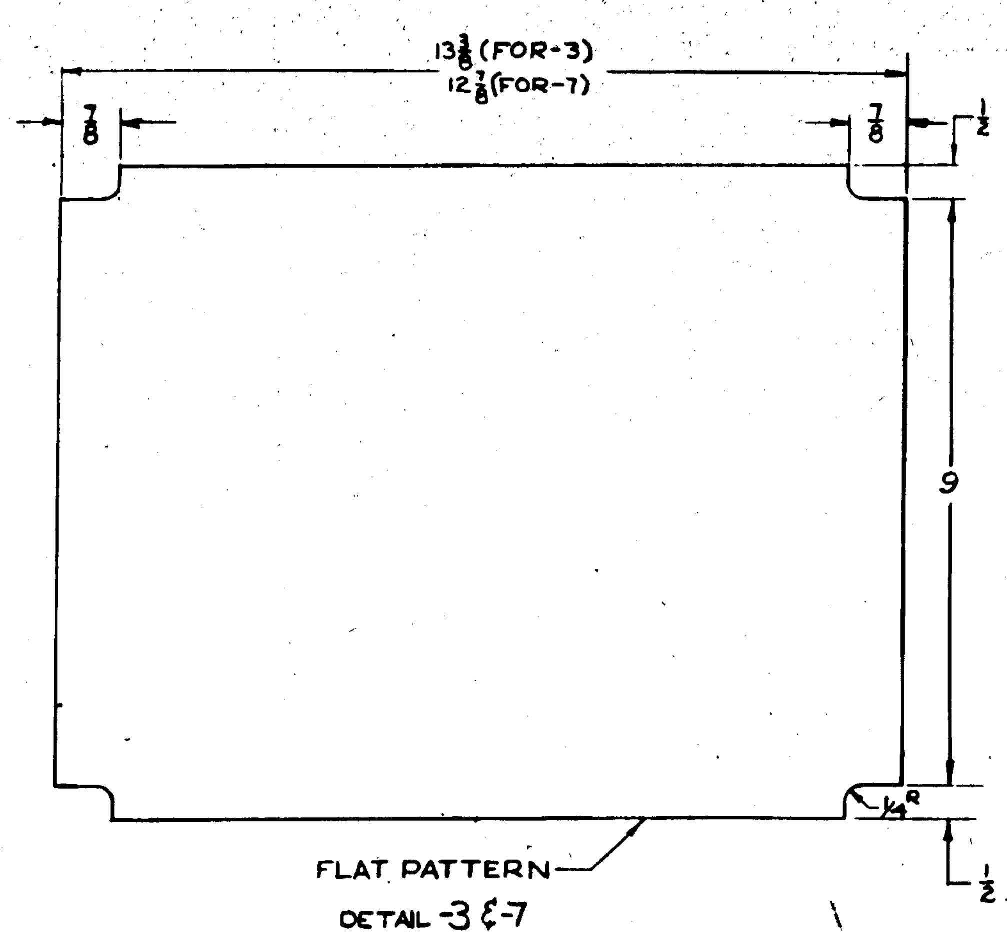
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				H	TRACED-NO WT. CHG	9-17-43	NORTH
				J	RELOCATED DIM. ARROW INSIDE 28F1020, WAS OUTSIDE (VIEW IN UPPER R.H. CORNER) NO WT. CHG	10-12-45	[illegible]

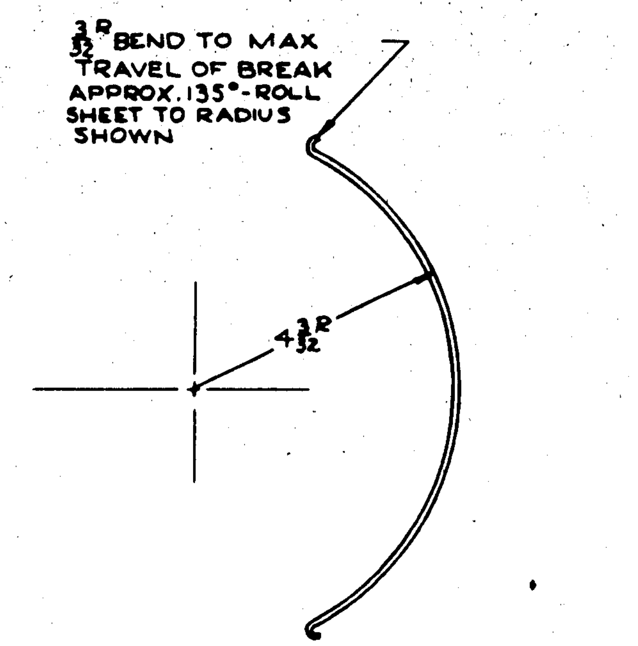




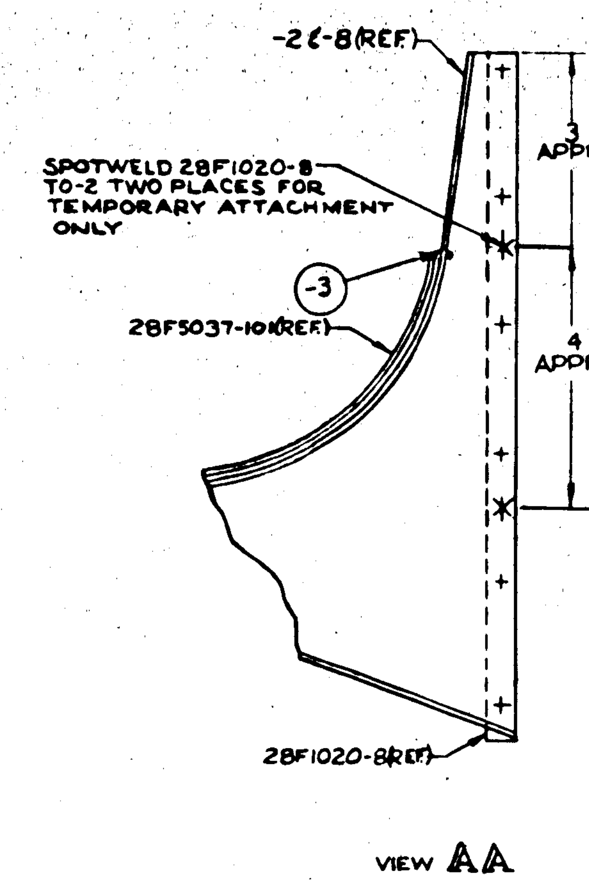


ASSY NO.	LENGTH B.
-0	12¾
-2	12¼





NOTE:
BEND RADII 1/16 EXCEPT AS NOTED



PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
28F4029-7	.025 X 13⅛ X 30¾	ALC. SHT.	QQ-A-362-T	1				
28F4029-2	.040 X 15 X 17	ALC. SHT.	QQ-A-362-A	2				
-6	SUBASSY							
Q5799-6				2				
Q546-KI-12				2				
28F1330				2				
28F1020-8				1				
28F4029-3	.025 X 11 X 13½		QQ-A362-T	1				
28F4029-8	MAKE FROM -2 BLANK			2				
28F4029-2	.046 X 15 X 17		QQ-A-362-A	2				
-4	SUBASSY							
Q5799-6								2
Q5746-KI-12								2
AN960-D10				6				
AN425-D3								
AN3-D5A				6				6
AC372-D1032				6				6
28F5037-101				2				2
28F1320								2
-4	SUB ASSY			1				
-4	SUBASSY							1

PARTS LIST PER ASSY.

PBY-5A NO 2(3) 464 ONLY
ALL EXCEPT PBY-5A NO (S) 464 & PBY-5 C91876 #71 & ON

C-91876 #91 & ON
C-70496 & 91876 1 TO 90

ASSY DASH No.	MODEL	NEXT ASSY.	REQ.
-5	PBY-5	28F6929	2
	28-5AMN	28F4020	2
	28-5MN	28F4020	2
	PBY-5A	28F4020	2
	PBY-5	28F4020	2
	PBY-4	28F4020	
	PBY-3	28F4020	
	PBY-2	28F4020	
	PBY-1	28F4020	

REQUIREMENTS PER AIRPLANE

REPLACES 28F4029 1-4-38 — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
A C SR-53-T NAVY -27-8	Z-P-26P-2,-3-7 & -8	1-4-38 WHITAKER	1-11-38 McDOUGAL	CW MOFFAT		L.C.W	R

NAME: SUPPORT-FURNS-WATER TANKS

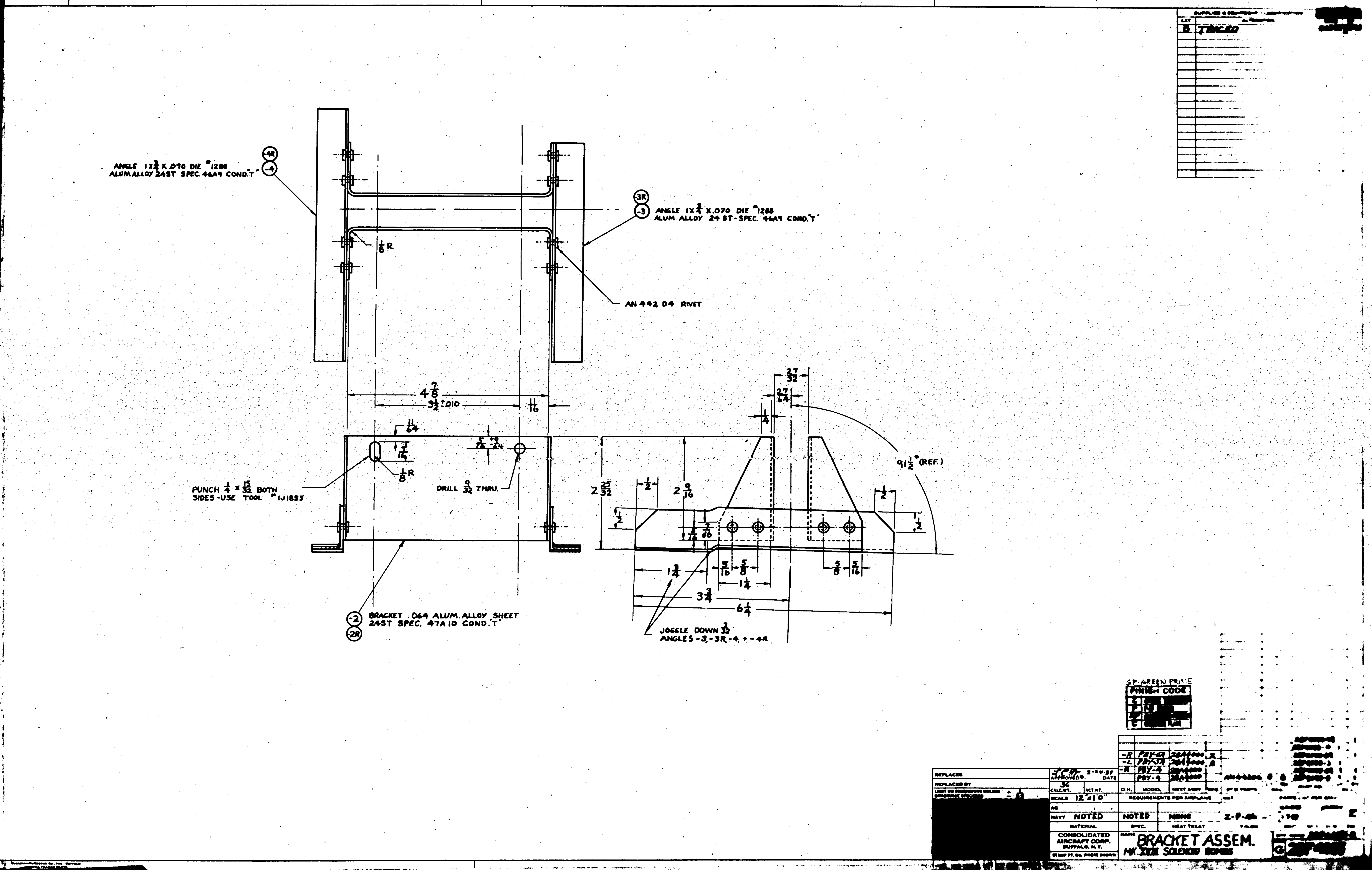
OPP. HAND NONE

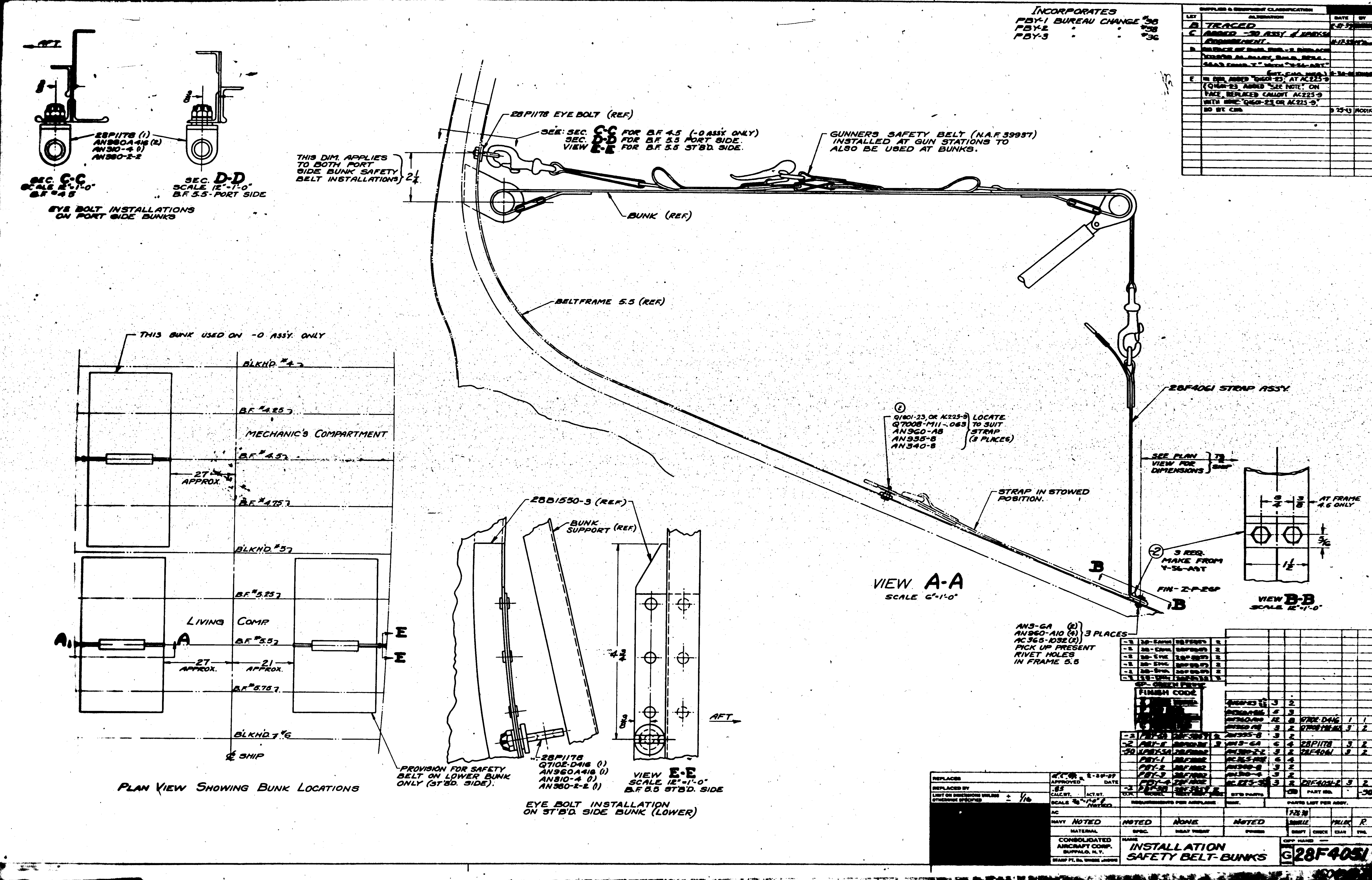
DWG. SIZE G — 28F4029

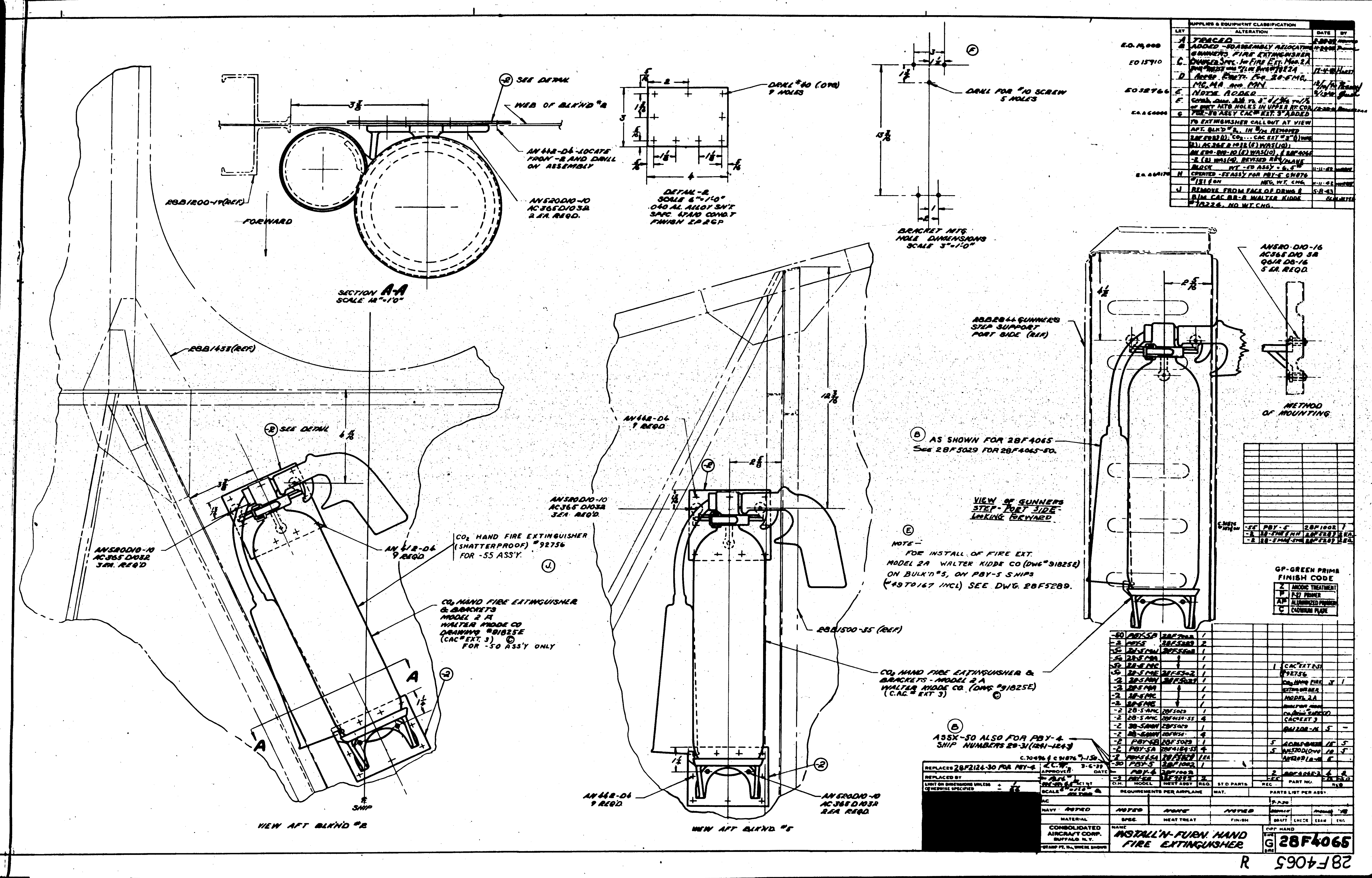
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

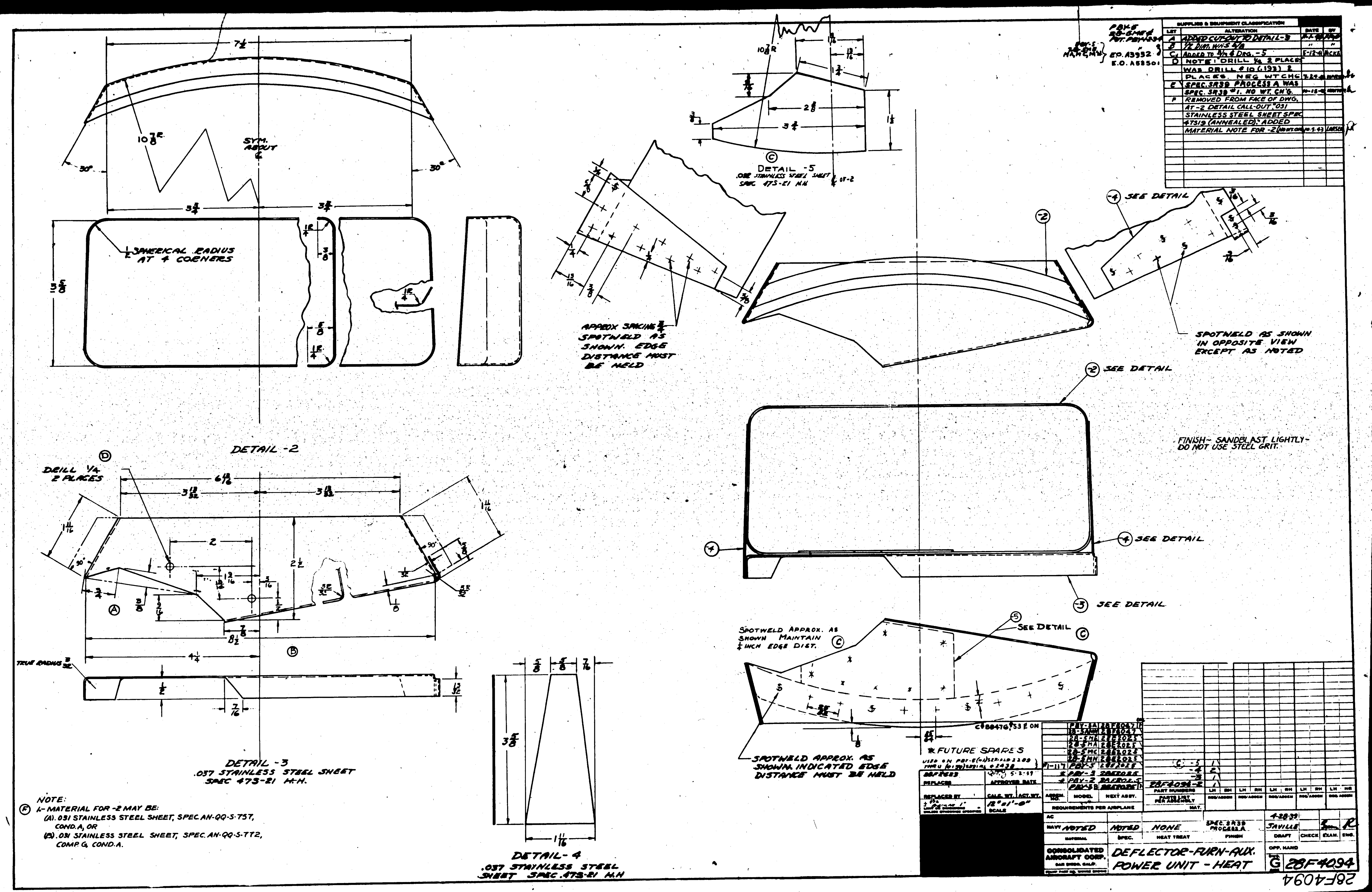
R.

28F4029

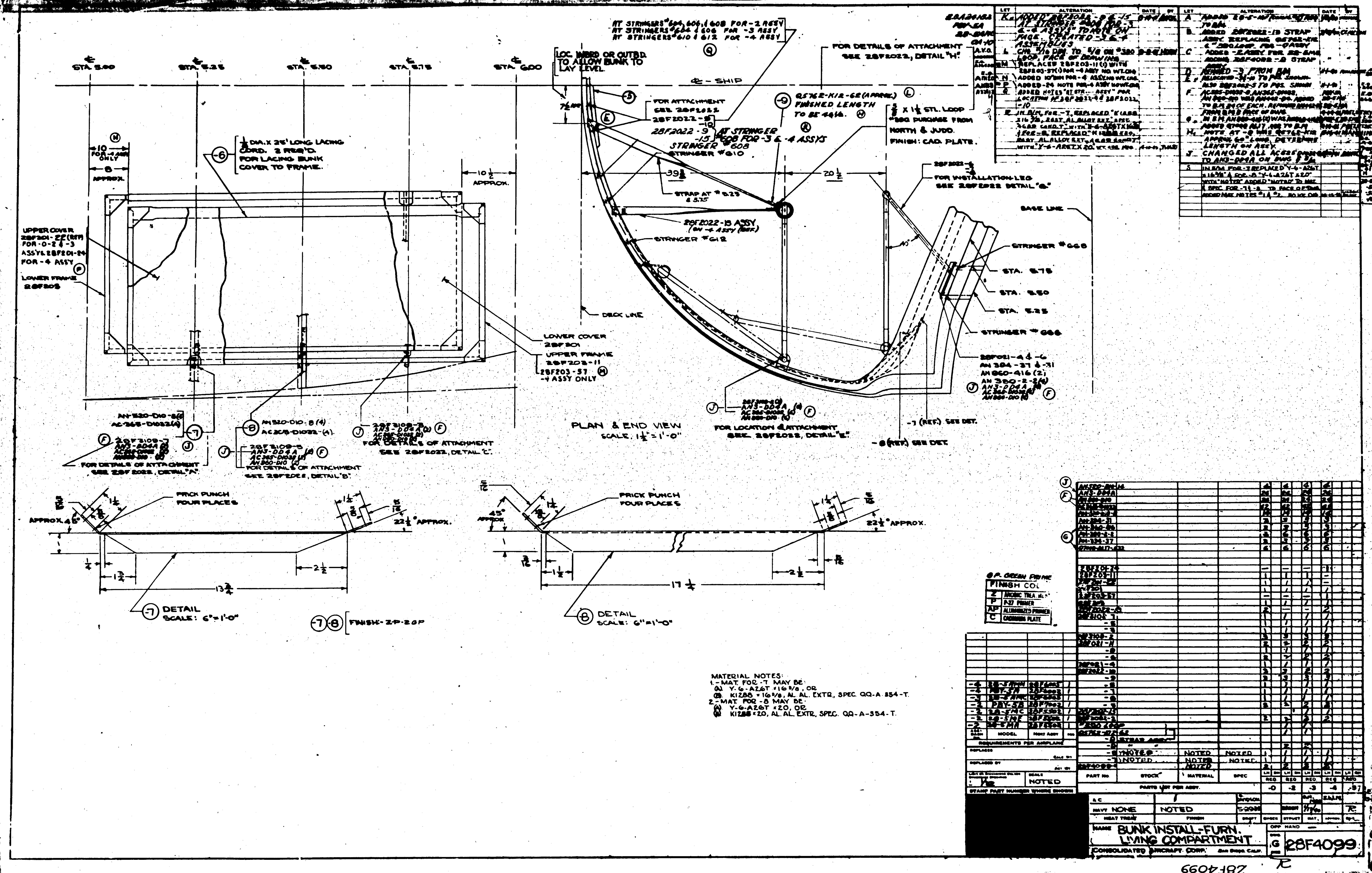

ANGLE 1X¾ X.070 DIE #1288
ALUM. ALLOY 24ST SPEC. 46A9 COND. "T"
-4R
-4
-3R
-3
ANGLE 1X¾ X.070 DIE #1288
ALUM. ALLOY 24ST-SPEC. 46A9 COND. "T"
1/8 R
AN 442 D4 RIVET
4 7/8
3 1/2 ±.010
1/16
11/64
7/16
1/8 R
PUNCH 1/4 × 15/32 BOTH
SIDES-USE TOOL #1J1835
DRILL 9/32 THRU.
27/32
27/64
1/4
91½° (REF.)
2 25/32
2 9/16
1/2
1 3/4
1 1/4
3 3/4
6 1/4
5/16
5/8
BRACKET .064 ALUM. ALLOY SHEET
24ST SPEC. 47A10 COND. "T"
-2
-2R
JOGGLE DOWN 3/32
ANGLES -3, -3R, -4, + -4R
GP-GREEN PRIME
FINISH CODE
TRACED
SCALE 12"=1'0"
NOTED
NONE
MATERIAL
SPEC.
HEAT TREAT
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
BRACKET ASSEM.
MK. XIII SOLENOID BOMBS
REPLACES
REPLACED BY
PBY-4
PBY-3R

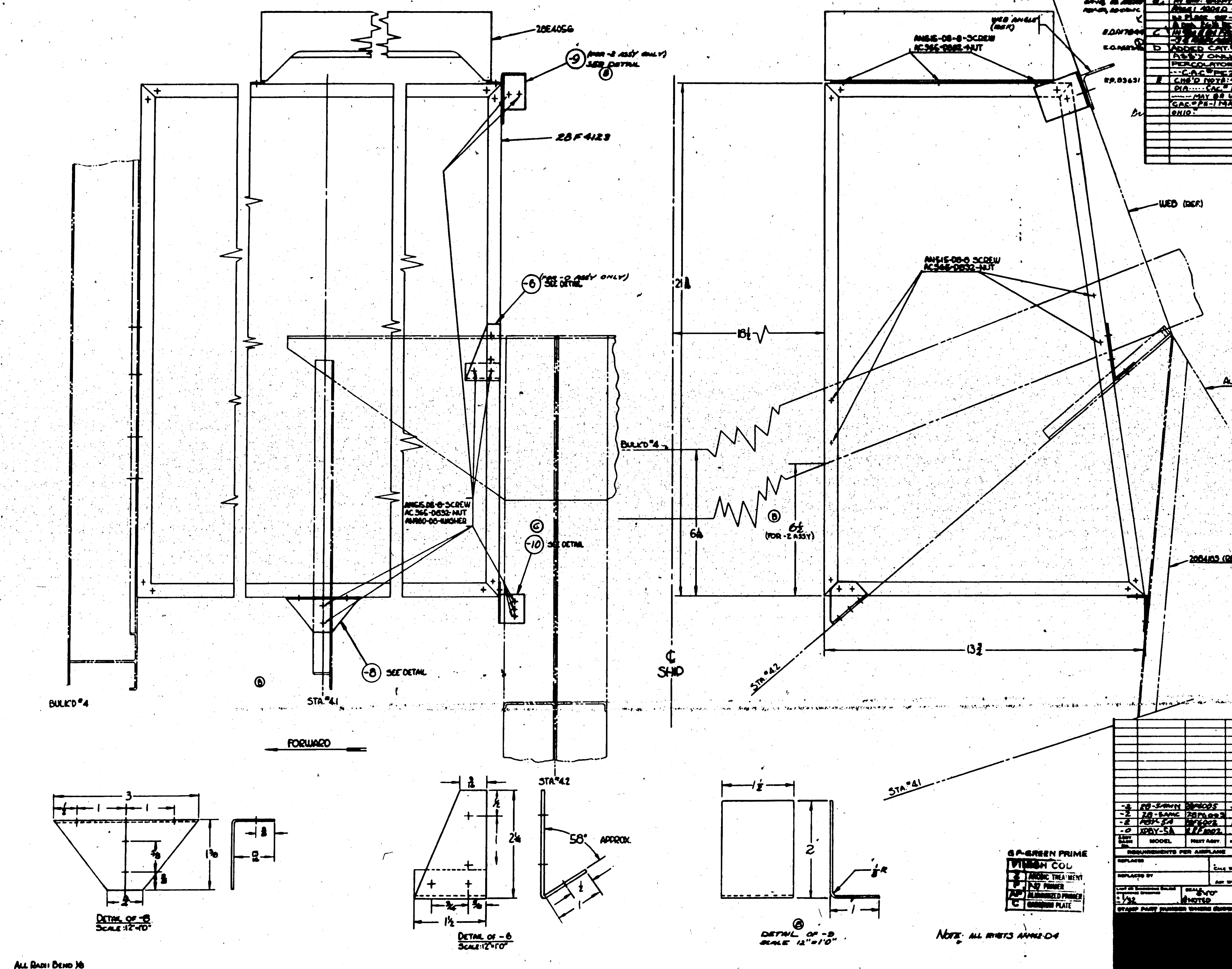

INCORPORATES
PBY-1 BUREAU CHANGE #38
PBY-2 " " #38
PBY-3 " " #36
SEC. C-C
SCALE 12"=1'-0"
B.F. #4.5
SEC. D-D
SCALE 12"=1'-0"
B.F. 5.5-PORT SIDE
EYE BOLT INSTALLATIONS ON PORT SIDE BUNKS
28P1178 (1)
AN960A416 (2)
AN310-4 (1)
AN380-2-2
AFT
28P1178 EYE BOLT (REF.)
SEE: SEC. C-C FOR B.F. 4.5 (-0 ASSY ONLY)
SEC. D-D FOR B.F. 5.5 PORT SIDE.
VIEW E-E FOR B.F. 5.5 ST'B'D. SIDE.
THIS DIM. APPLIES TO BOTH PORT SIDE BUNK SAFETY BELT INSTALLATIONS
GUNNERS SAFETY BELT (N.A.F. 39957) INSTALLED AT GUN STATIONS TO ALSO BE USED AT BUNKS.
BUNK (REF.)
BELTFRAME 5.5 (REF.)
28F4061 STRAP ASSY.
Q1601-23, OR AC225-9
Q7008-M11-.063
AN960-A8
AN335-8
AN340-8
LOCATE TO SUIT STRAP (3 PLACES)
STRAP IN STOWED POSITION.
SEE PLAN VIEW FOR DIMENSIONS
3 REQ. MAKE FROM Y-56-A9T
FIN-Z-P-26P
VIEW A-A
SCALE 6"=1'-0"
AN3-6A (2)
AN960-A10 (4)
AC365-1032 (2)
3 PLACES
PICK UP PRESENT RIVET HOLES IN FRAME 5.5
VIEW B-B
SCALE 12"=1'-0"
AT FRAME 4.5 ONLY
THIS BUNK USED ON -0 ASSY. ONLY
B'LKHD. #4
B.F. #4.25
MECHANIC'S COMPARTMENT
B.F. #4.5
27 APPROX.
B.F. #4.75
B'LKHD. #5
B.F. #5.25
LIVING COMP.
B.F. #5.5
B.F. #5.75
B'LKHD. #6
21 APPROX.
℄ SHIP
PLAN VIEW SHOWING BUNK LOCATIONS
PROVISION FOR SAFETY BELT ON LOWER BUNK ONLY (ST'B'D. SIDE).
28B1550-3 (REF.)
BUNK SUPPORT (REF.)
28P1178
Q7102-D416 (1)
AN960A416 (1)
AN310-4 (1)
AN380-2-2 (1)
VIEW E-E
SCALE 12"=1'-0"
B.F. 5.5 ST'B'D. SIDE
EYE BOLT INSTALLATION ON ST'B'D. SIDE BUNK (LOWER)
LET.
ALTERATION
DATE
BY
B TRACED
C ADDED -30 ASSY & XPBY5A REQUIREMENT.
E. ADDED "Q1601-23" AT AC225-9 & Q1601-23 ADDED "SEE NOTE" ON FACE, REPLACED CALLOUT AC225-9 WITH "Q1601-23 OR AC225-9".
9-25-43
FINISH CODE
PART NO.
PARTS LIST FOR ASSY.
STD PARTS
REQUIREMENTS PER AIRPLANE
28P1178
28F4061
28F4051-2
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16
APPROVED
DATE
CALC.WT.
ACT.WT.
SCALE
NOTED
MATERIAL
SPEC.
HEAT TREAT
FINISH
NONE
DRAFT
CHECK
ENGR.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
INSTALLATION SAFETY BELT-BUNKS
G 28F4051

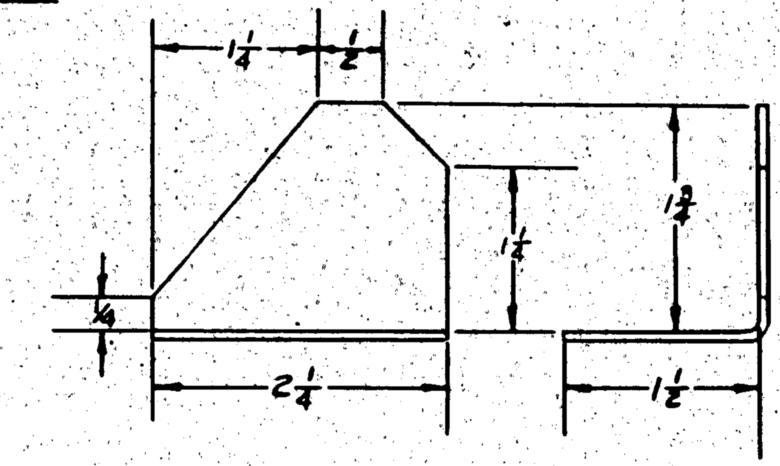

SECTION A-A
SCALE 12"=1'-0"
SEE DETAIL
WEB OF BLK'HD #2
AN 442-D4 - LOCATE FROM -2 AND DRILL ON ASSEMBLY
AN520D10-10
AC365D1032
2 EA. REQD.
28B1200-19(REF)
FORWARD
DETAIL-2
SCALE 6"=1'-0"
.040 AL. ALLOY SH'T.
SPEC. 47A10 COND. T
FINISH ZP2GP
DRILL #40 (.098) 9 HOLES
DRILL FOR #10 SCREW 5 HOLES
BRACKET MTG. HOLE DIMENSIONS
SCALE 3"=1'-0"
SUPPLIES & EQUIPMENT CLASSIFICATION
LET
ALTERATION
DATE
BY
A TRACED
B ADDED -50 ASSEMBLY RELOCATING GUNNERS FIRE EXTINGUISHER
C CHANGED SPEC. for FIRE EXT. MOD. 2A
D ADDED REQ'TS. FOR 28-5MC, MC, MA AND MN
E NOTE ADDED
F CHANGED DIM.
G FOR -50 ASSY CAC# EXT. 3" ADDED TO EXTINGUISHER CALLOUT AT VIEW AFT. BLK'D #2, IN B/M REMOVED
H CREATED -55 ASS'Y FOR PBY-5 C91076 #151 & ON NEG. WT. CHG.
J REMOVE FROM FACE OF DRWG & B/M CAC BR-B WALTER KIDDE #18224. NO WT. CHG.
E.O. 19,000
EO 15910
EO 32766
28B1433(REF)
AN520D10-10
AC365D1032
3 EA. REQ'D
AN 442-D4 9 REQ'D
CO2 HAND FIRE EXTINGUISHER (SHATTERPROOF) #92756 FOR -55 ASS'Y.
CO2 HAND FIRE EXTINGUISHER & BRACKETS MODEL 2 A WALTER KIDDE CO DRAWING #91825E (CAC# EXT. 3) FOR -50 ASS'Y ONLY
VIEW AFT BLK'HD #2
SHIP
AN 442-D4 9 REQ'D
AN520D10-10
AC365 D1032
3 EA. REQ'D
28B1500-55 (REF)
CO2 HAND FIRE EXTINGUISHER & BRACKETS - MODEL 2 A WALTER KIDDE CO. (DWG #91825E) (C.A.C. # EXT 3)
AN 442-D4 9 REQ'D
AN520D10-10
AC365 D1032
2 EA. REQ'D
VIEW AFT BLK'HD #5
AN520-D10-16
AC365 D10 32
Q61R D8-16
5 EA. REQD.
METHOD OF MOUNTING
28B2844 GUNNER'S STEP SUPPORT PORT SIDE (REF)
AS SHOWN FOR 28F4065
See 28F5029 FOR 28F4065-50.
VIEW OF GUNNERS STEP - PORT SIDE - LOOKING FORWARD
NOTE -
FOR INSTALL. OF FIRE EXT. MODEL 2A WALTER KIDDE CO (DWG #91825E) ON BULK'D #5, ON PBY-5 SHIPS (#49 TO 167 INCL) SEE DWG. 28F5289.
ASSY-50 ALSO FOR PBY-4 SHIP NUMBERS 29-31 (1241-1243)
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
REPLACES 28F2124-30 FOR PBY-4
REPLACED BY
APPROVED
DATE 3-6-39
SCALE
O.H.
MODEL
NEXT ASSY
REQ.
STD PARTS
REC.
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
NAVY NOTED
MATERIAL
SPEC.
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM
ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
NAME
INSTALL'N-FURN. HAND FIRE EXTINGUISHER
OPP HAND
G
28F4065
R
28F4065



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A ADDED CUT-OUT TO DETAIL-5
B 1/2 DIM. WAS 5/8
C1 ADDED TO 5/16 & DRG. -5 5-12-41
D NOTE: DRILL 1/4 2 PLACES WAS DRILL #10 (.193) 2 PLACES. NEG WT CHG
E SPEC. SR39 PROCESS A WAS SPEC. SR39 #1. NO WT. CH'G.
F REMOVED FROM FACE OF DWG. AT -2 DETAIL CALL-OUT ".031 STAINLESS STEEL SHEET SPEC 47S19 (ANNEALED)." ADDED MATERIAL NOTE FOR -2 LARSEN
E.O. A3932
E.O. A58501
SPHERICAL RADIUS AT 4 CORNERS
SYM. ABOUT ℄
DETAIL -5
.032 STAINLESS STEEL SHEET SPEC. 47S-21 M.H.
APPROX SPACING 3/4 SPOTWELD AS SHOWN. EDGE DISTANCE MUST BE HELD
-4 SEE DETAIL
SPOTWELD AS SHOWN IN OPPOSITE VIEW EXCEPT AS NOTED
-2 SEE DETAIL
FINISH - SANDBLAST LIGHTLY - DO NOT USE STEEL GRIT.
-4 SEE DETAIL
-3 SEE DETAIL
DETAIL -2
DRILL 1/4 2 PLACES
TRUE RADIUS 3/32
DETAIL -3
.037 STAINLESS STEEL SHEET SPEC 47S-21 M.H.
SPOTWELD APPROX. AS SHOWN MAINTAIN 1/4 INCH EDGE DIST.
-5 SEE DETAIL
SPOTWELD APPROX. AS SHOWN. INDICATED EDGE DISTANCE MUST BE HELD
DETAIL - 4
.037 STAINLESS STEEL SHEET SPEC. 47S-21 M.H
NOTE:
F -2 MATERIAL FOR -2 MAY BE:
(A). .031 STAINLESS STEEL SHEET, SPEC. AN-QQ-S-757, COND. A, OR
(B). .031 STAINLESS STEEL SHEET, SPEC. AN-QQ-S-772, COMP. G, COND. A.
* FUTURE SPARES
PBY-5A 28F6047
28-5AMM 28F6047
28-5ME 28E2025
28-5MA 28E2025
28-5MC 28E2025
28-5MN 28E2025
PBY-5 28E2025
* PBY-3 28E2025
* PBY-2 28E2025
28F4094-2
PART NUMBERS
PARTS LIST PER ASSEMBLY
REQUIREMENTS PER AIRPLANE
REPLACES
APPROVED DATE 5-2-39
REPLACED BY
CALC. WT. ACT. WT.
12" = 1'-0" SCALE
NAVY NOTED NOTED NONE SPEC. SR39 PROCESS A
MATERIAL SPEC. HEAT TREAT FINISH
4-28-39 SAVILLE
DRAFT CHECK EXAM. ENG.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DEFLECTOR - FURN - AUX. POWER UNIT - HEAT
G 28F4094
28F4094


STA. 5.00
STA. 5.25
STA. 5.50
STA. 5.75
STA. 6.00
LOC. INBD OR OUTBD. TO ALLOW BUNK TO LAY LEVEL.
℄ - SHIP
FOR DETAILS OF ATTACHMENT SEE 28F2022, DETAIL "H"
FOR ATTACHMENT SEE 28F2022
28F2022-9 AT STRINGER -15 608 FOR -3 & -4 ASSYS
STRINGER #608
STRINGER #610
Q5762-K12-62 (APPROX.) FINISHED LENGTH TO BE 44⅛.
5/8 X 1¼ STL. LOOP 380 PURCHASE FROM NORTH & JUDD. FINISH: CAD. PLATE.
1/8 DIA. X 25' LONG LACING CORD. 2 REQ'D. FOR LACING BUNK COVER TO FRAME.
UPPER COVER 28F201-22 (REF) FOR -0-2 & -3 ASSY & 28F201-24 FOR -4 ASSY
LOWER FRAME 28F203
STRAP AT #5.25 & 5.75
28F2022-13 ASSY (ON -4 ASSY (REF))
STRINGER #612
FOR INSTALLATION LEG SEE 28F2022 DETAIL "G"
BASE LINE
STRINGER #666
STA. 5.75
STA. 5.50
STA. 5.25
STRINGER #666
DECK LINE
LOWER COVER 28F201
UPPER FRAME 28F203-11
28F203-57 -4 ASSY ONLY
28F021-4 & -6
AN 384-37 & -31
AN 960-416 (2)
AN 380-2-2 (4)
FOR LOCATION & ATTACHMENT SEE 28F2022, DETAIL "E"
-7 (REF) SEE DET.
-8 (REF) SEE DET.
PLAN & END VIEW SCALE: 1½" = 1'-0"
AN 520-D10-8 (4)
AC 365-D1032 (4)
FOR DETAILS OF ATTACHMENT SEE 28F2022, DETAIL "A"
FOR DETAILS OF ATTACHMENT SEE 28F2022, DETAIL "B"
FOR DETAILS OF ATTACHMENT SEE 28F2022, DETAIL "C"
PRICK PUNCH FOUR PLACES
APPROX. 45°
22½° APPROX.
13¾
17¼
DETAIL SCALE: 6" = 1'-0"
FINISH - ZP - ZGP
MATERIAL NOTES:
1.- MAT. FOR -7 MAY BE:
(A) Y-6-A26T × 16 1/8, OR
(B) K1288 × 16 1/8, AL. AL. EXTR. SPEC. QQ-A-354-T.
2.- MAT. FOR -8 MAY BE:
(A) Y-6-A26T × 20, OR
(B) K1288 × 20, AL. AL. EXTR. SPEC. QQ-A-354-T.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
REQUIREMENTS PER AIRPLANE
PARTS LIST FOR ASSY.
PART NO. STOCK MATERIAL SPEC
SCALE NOTED
NAVY NONE
NAME BUNK INSTALL-FURN. LIVING COMPARTMENT
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28F4099
28F4099





DETAIL OF -10
SCALE: 12"=1'0"

LET	ALTERATION	DATE	BY
A	ADDED 28F4123		
B	IN DWG: GREATED .... ON ... ADDED -9 (FOR -2 ASSY) IN PLACE OF -6, DIA ... ADDED ... REMOVED.		
C	IN ... PIECE OF ... WITH -10 ...		
D	ADDED CAT. #5272 FOR -2 ASS'Y ONLY & NOTE:- PERCOLATOR 4⅛ DIA. ------ ---C.A.C. #PE25. WT. CHG. NEG.		
E	CHG'D NOTE: PERCOLATOR 4⅛ DIA ...... CAC # PE25 TO CAC #PE-1 ----- MAY BE USED: ADDED NOTE: CAC #PE-1 MAY BE ---- BELLAIRE, OHIO. WT. CHG. NEG.		

Ⓓ NOTE:-
CAC. #PE-1 8 CUP CAPACITY. IF PE-1 IS NOT AVAILABLE, CAC #PE-25 (10-14 CUP CAP) MAY BE USED.

Ⓔ NOTE:-
CAC. #PE-1 MAY BE PURCHASED FROM THE AMERICAN WHOLESALE HARDWARE CO., LOS ANGELES, CALIF., CAT. #5272. CAC #PE-25 MAY BE PURCHASED FROM THE BELLAIRE ENAMEL CO., BELLAIRE, OHIO

PART No.	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2
CAC #PE-1	(SEE SUBSTITUTION NOTE FOR PERCOLATORS)				1
28F4123				1	1
28E4056				1	1
AN515-08-8				17	17
AN960-08				7	7
AC365-0832				17	17
-10	2⅛ X 3⅜ X .064	AL. ALL. 24ST	47A10 COND. T	1	1
-9	3⅜ X 1⅜ X .064	AL. ALL. 24ST	47A10 COND. T	—	1
-8	3⅜ X 2⅛ X .064	AL. ALL. 24ST.	47A10 COND. T	1	1
-6	1⅝ X 3⅜ X .064	AL. ALL. 24ST.	47A10 COND. T	1	—

PARTS LIST PER ASSY.

ASSY DASH No.	MODEL	NEXT ASSY.	REQ
-3	28-5AMN	28F6005	1
-2	28-5AMC	28F6005	1
-2	PBY-5A	28F6002	1
-0	XPBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6"=1'0" & NOTED
STAMP PART NUMBER WHERE SHOWN

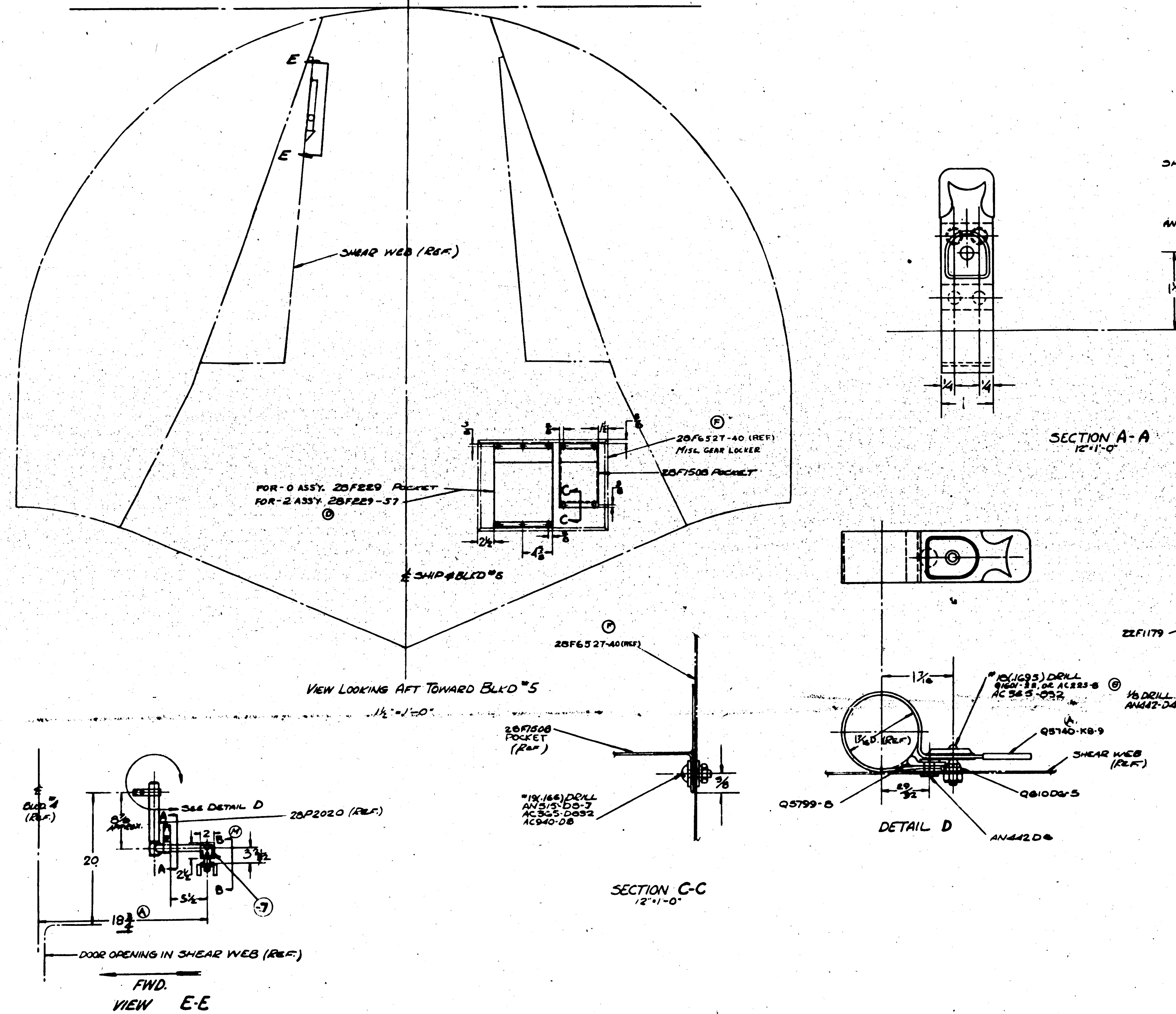
A C
NAVY NONE — HEAT TREAT
ZP-2 GP DETAIL PARTS — FINISH
7-11-39

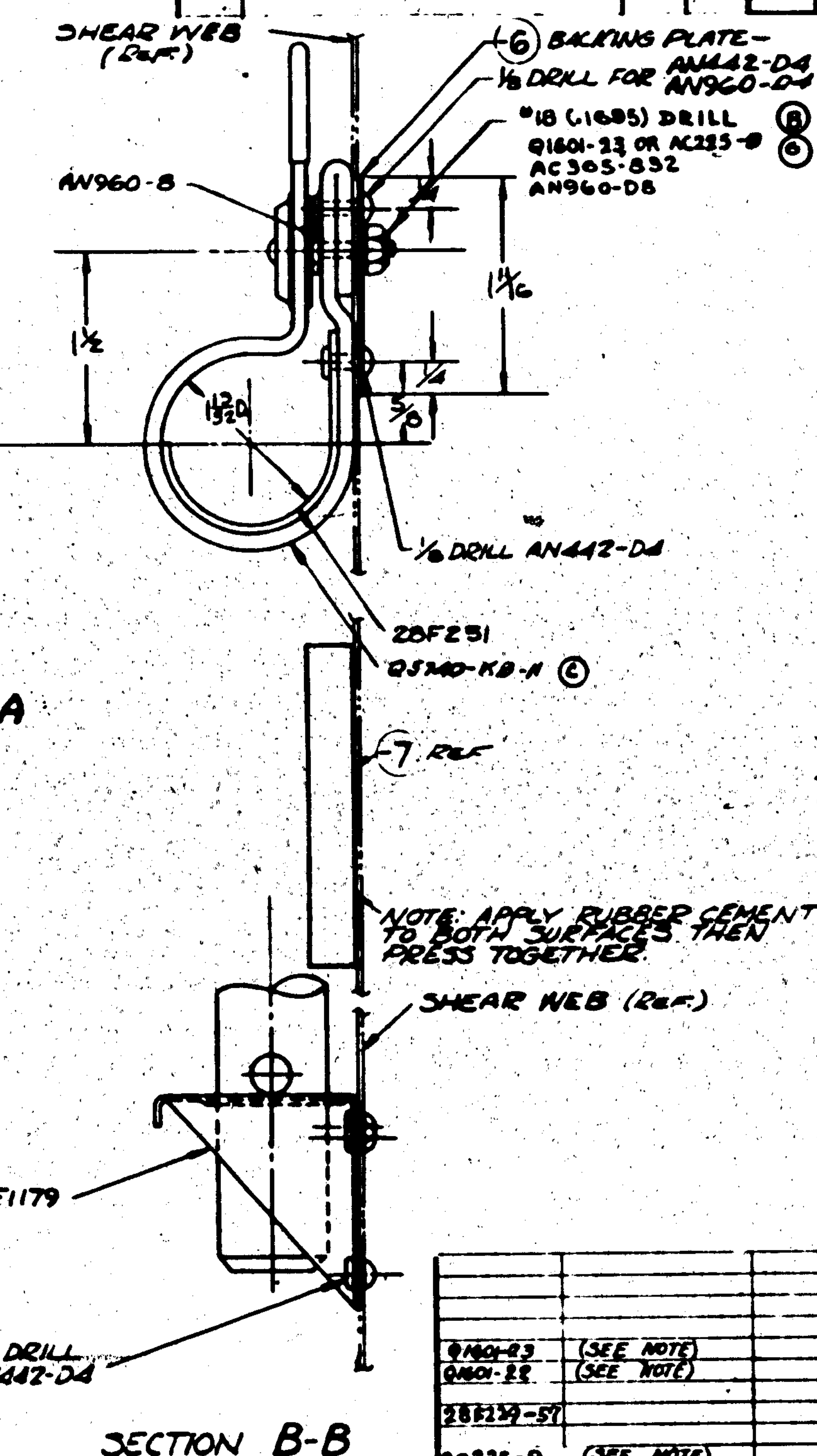
NAME INSTALLATION-
FURN. STOVE & FOOD LOCKER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND —
DWG. SIZE G 28F4122

LET	ALTERATION	DATE	BY
G (CONT)	AC225-8" REPLACED CALLOUT AC225-9 WITH NOTE: "Q1601-23 OR AC225-9." NO WT CHG		
A	ON FACE & BOM Q5740-KB-9 WAS 28F1963 & 18 3/4 DIM WAS 24 3/4		
B	ON DWG & B/M DRILL #18 (.1695), AC225-8 & AC365-832 REPLACED #19 (.166) DRILL & AC365-D832		
C	ON FACE & B/M Q5740-KB-11 (1) WAS 28H661 (1)		
D	CREATED -2 ASSY. IDENTICAL TO -0 EXCEPT 28F229-57 REPLACED 28F229. (NO WT. CHG		
E	ADDED NOTE "MATERIAL --- GRADE B." IN -7 3/16X2 X2 1/2 NOTED-NOTED (1)" WAS 3/16X2X2 1/2 RECLAIMED RUBBER. COMM (1) WT CHG NEG		
F	28F6527-40 (REF) WAS 28F185-50 (REF) (2 PLACES) NO WT CHG		
G	11 B/M ADDED "Q1601-22" & "Q1601-23" AT AC225-8, AC225-9, Q1601-22 & Q1601-23 ADDED "SEE NOTE", ON FACE, REPLACED CALL-OUT AC225-8 WITH NOTE: "Q1601-22 OR		





(E) NOTE— MATERIAL FOR -7 "RECLAIMED SPONGE RUBBER. SPEC. 26578, GRADE B."

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No.	STOCK	MATERIAL	SPEC	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
Q1601-23	(SEE NOTE)			1	1			
Q1601-22	(SEE NOTE)			1	1			
28F229-57					1			
AC225-9	(SEE NOTE)			1	1			
AC940-D8				10	10			
AC365-832				2	2			
AC365-D832				10	10			
AC225-8	(SEE NOTE)			1	1			
AN960-D8				1	1			
AN960-D4				1	1			
AN515-D8-7				10	10			
AN442-D6								
AN442-D4								
AN960-8				1	1			
Q5799-8				1	1			
Q810DG-5				1	1			
Q5740-KB-11				1	1			
Q5740-KB-9				1	1			
28F1508				1	1			
28F251				1	1			
28F229				1				
22F1179				1	1			
-7	3/16x2x2 1/2	NOTED	NOTED	1	1			
-6	.040X	AL ALLOY SHT.	AL ALLOY COND T	1	1			

PARTS LIST FOR ASSY.

ASSY DASH No.	MODEL	NEXT ASSY	REQ
-2	28-5AMN	28F6003	1
-0	28-5AMC	28F6002	1
-0	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32

SCALE: 12" = 1'-0" & 1 1/2" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

AC		
NAVY NONE	Z-P-2AL -C ONLY	
HEAT TREAT	FINISH	

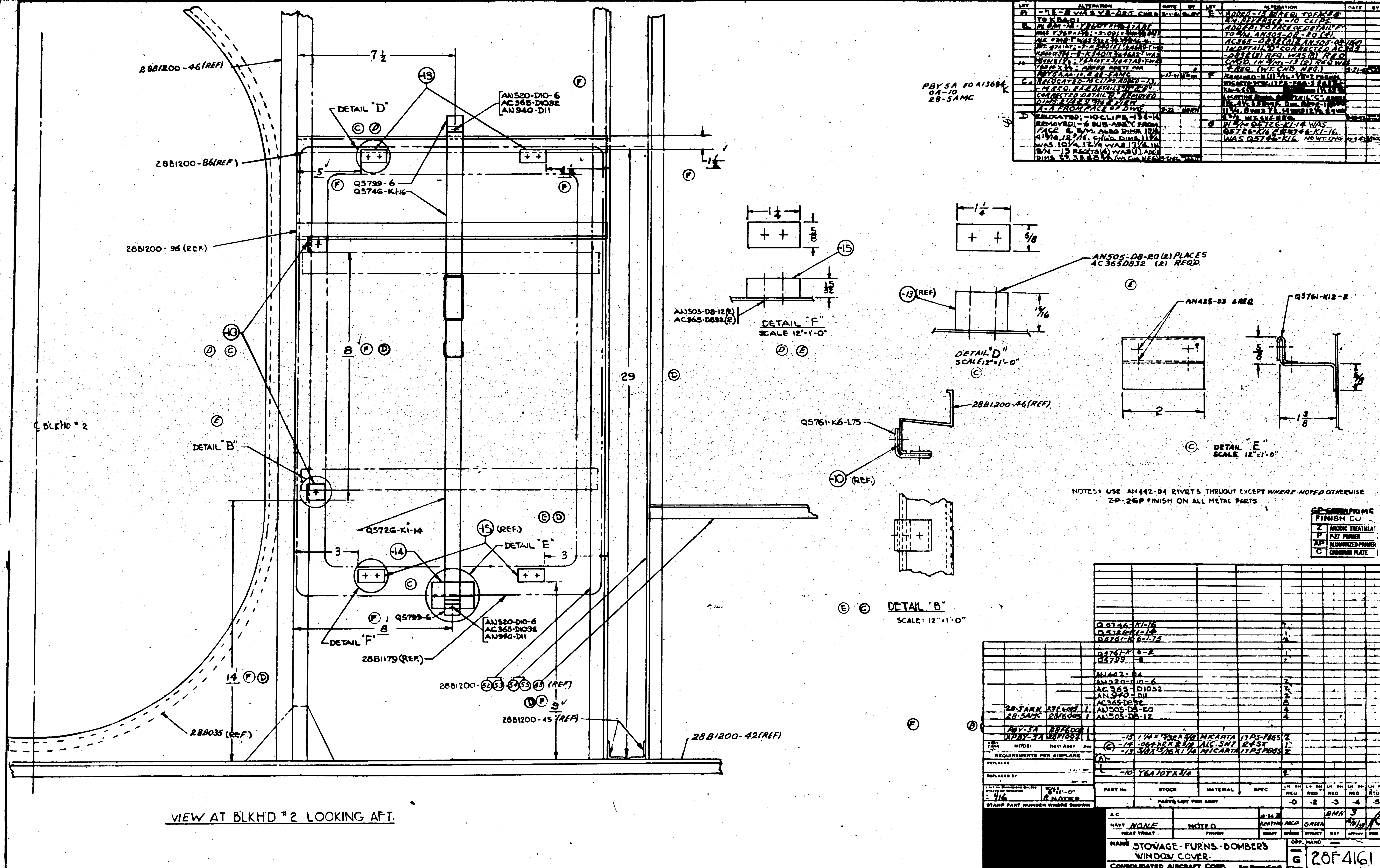
DRAFT 10/11/38 · CHECK · STRUCT · MAT · APPROV 10-17-38 · ENG

NAME: INSTALL-MAINTENANCE MANUAL & PILOTS HD. BK. POCKETS & STOWAGE FOR RETRACT. FLOATS & ANCHOR GEAR CRANK

OPP. HAND —

DWG. SIZE G — 28F4152

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



NOTES: USE AN442-D4 RIVETS THRUOUT EXCEPT WHERE NOTED OTHERWISE.
Z-P-2GP FINISH ON ALL METAL PARTS.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH	MODEL	NEXT ASSY	REQ
	28-5AMN	27F4005	1
	28-5AMC	28F6005	1
	PBY-5A	28F6002	1
	XPBY-5A	28F1002	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
Q5746-K1-16				1				
Q5726-K1-14				1				
Q5761-K6-1.75				2				
Q5761-K6-2				1				
Q5799-6				2				
AN442-D4								
AN520-D10-6				2				
AC365-D1032				2				
AN940-D11				2				
AC365-D832				8				
AN505-D8-20				4				
AN505-D8-12				4				
-15	1 1/4 x 15/32 x 5/8	MICARTA	17PS-FB6S	2				
-14	.064 x 2 x 2 3/8	ALC. SHT	24ST	1				
-13	3/8 x 15/16 x 1 1/4	MICARTA	17PS-FB6S	2				
-10	Y6A10T x 3/4			2				

PARTS LIST PER ASSY.

SCALE 6"=1'-0" & NOTED

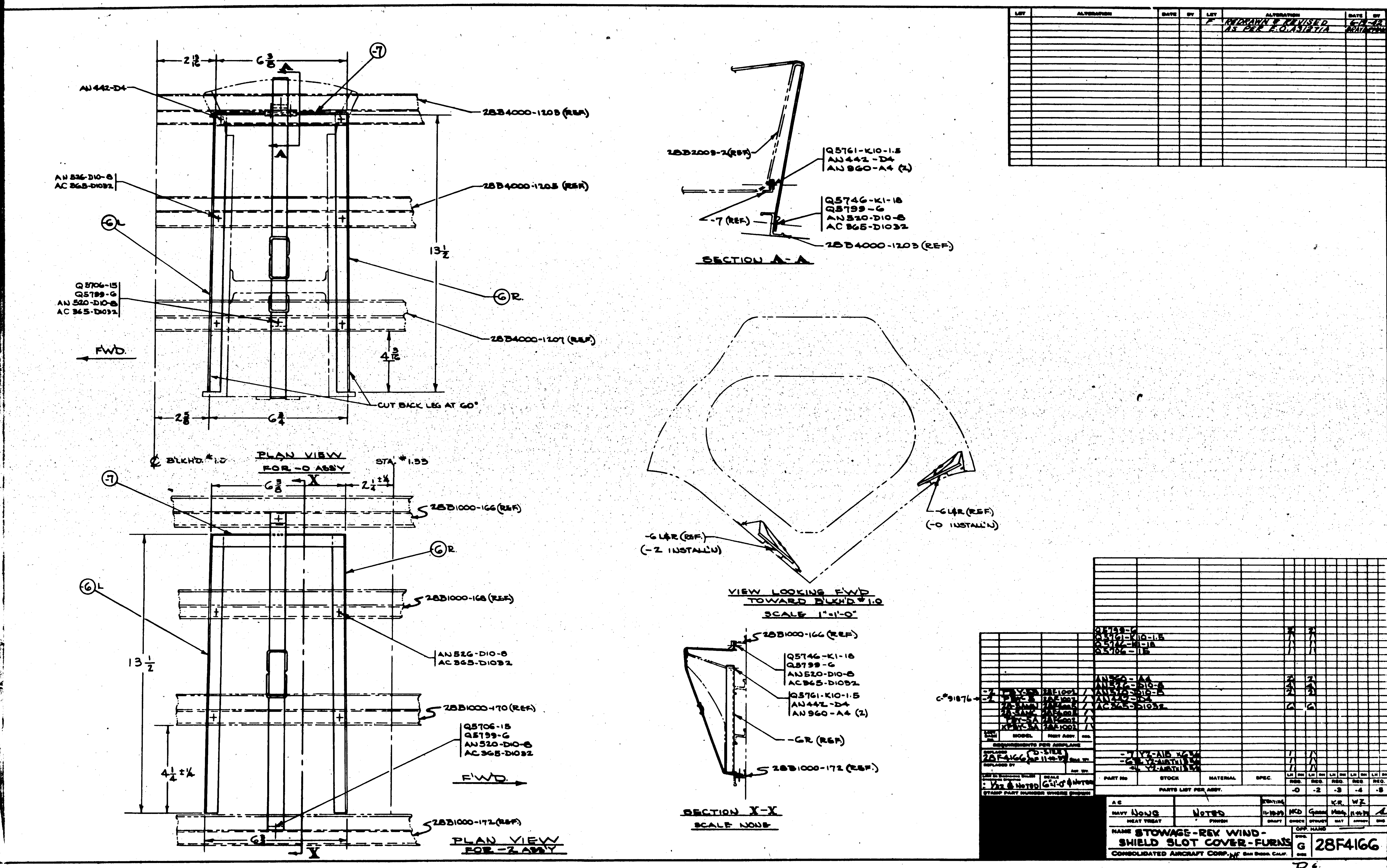
STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT
NOTED — FINISH

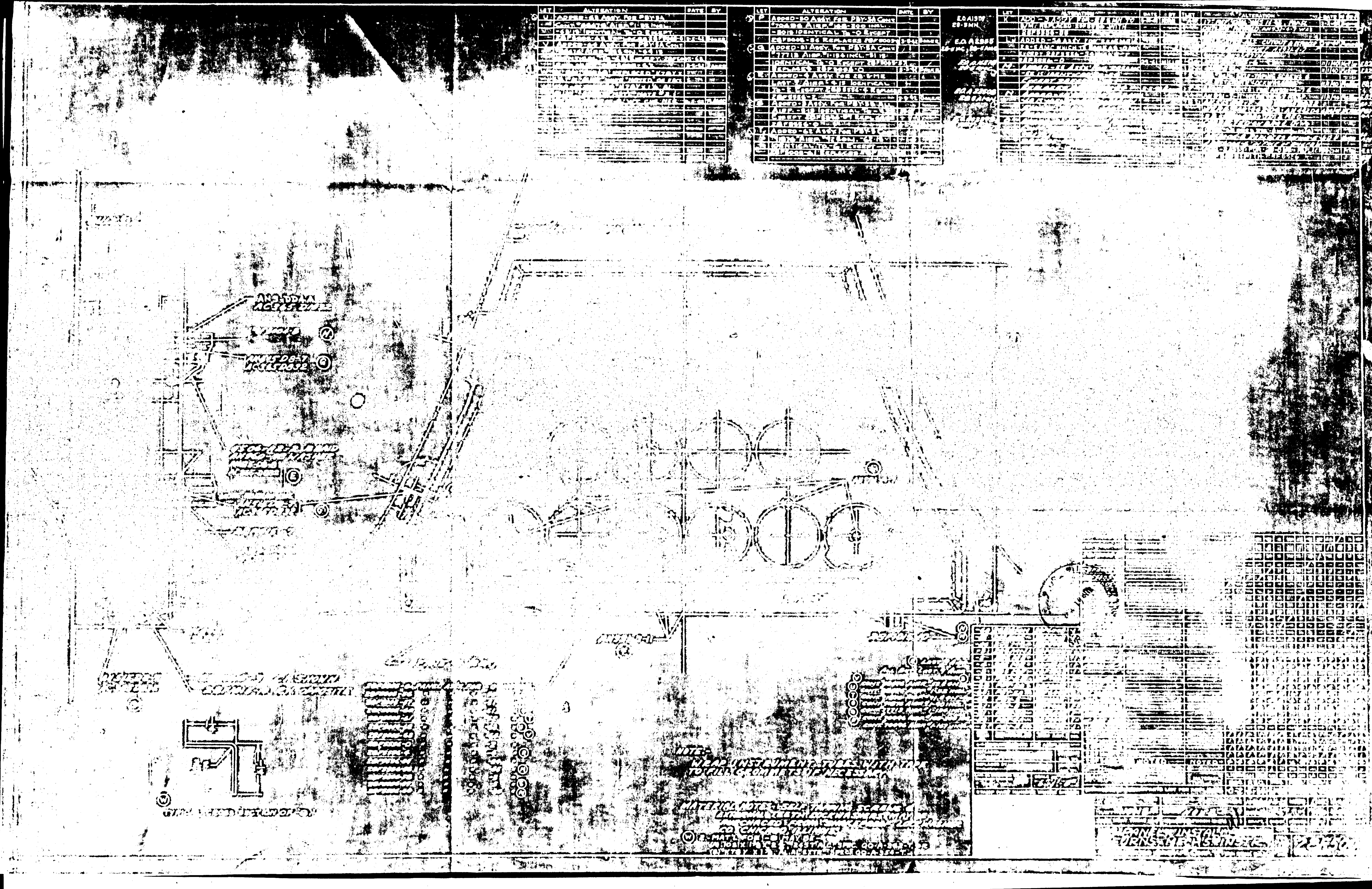
NAME STOVAGE-FURNS.-BOMBER'S WINDOW COVER.

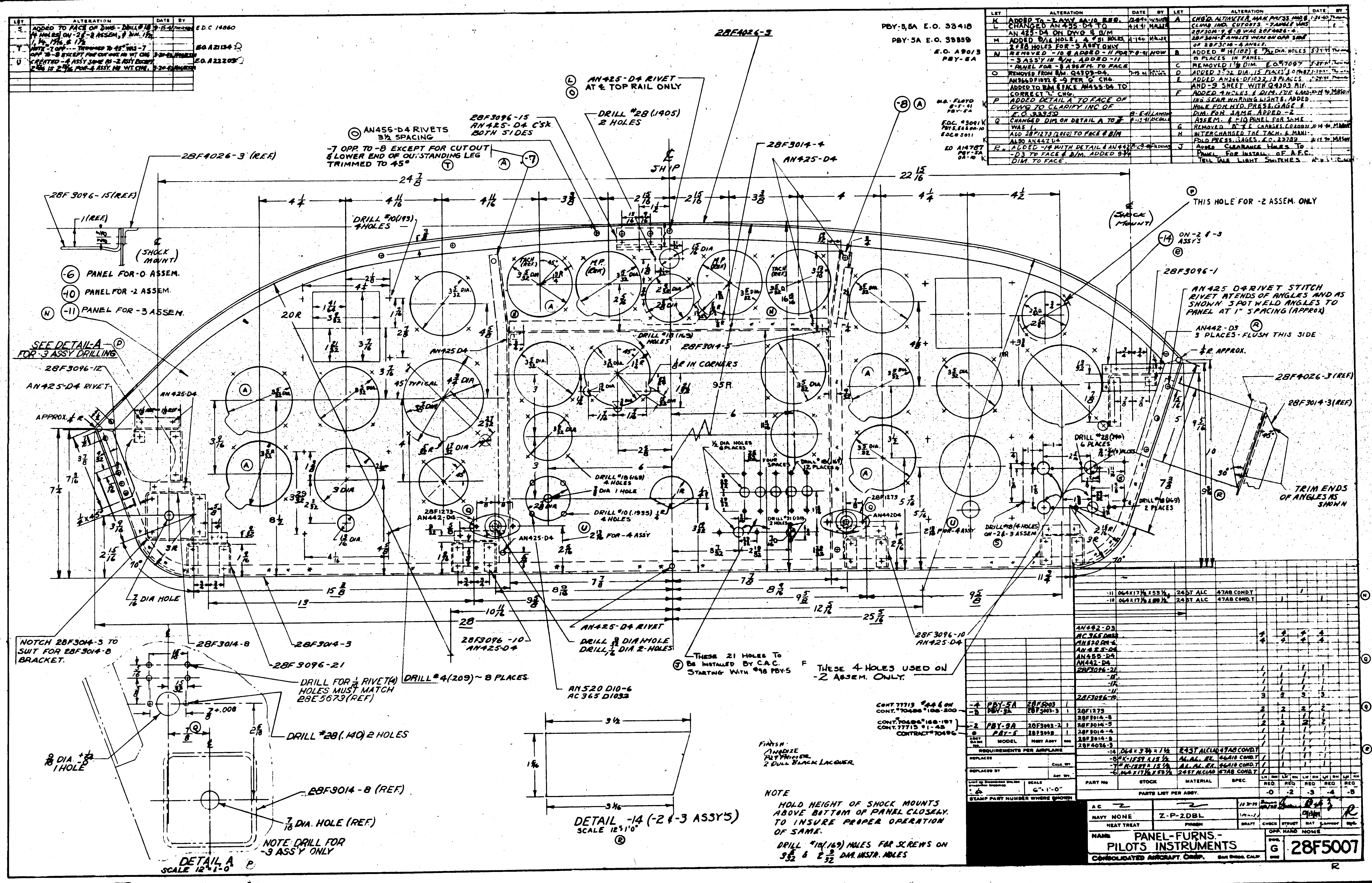
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F4161

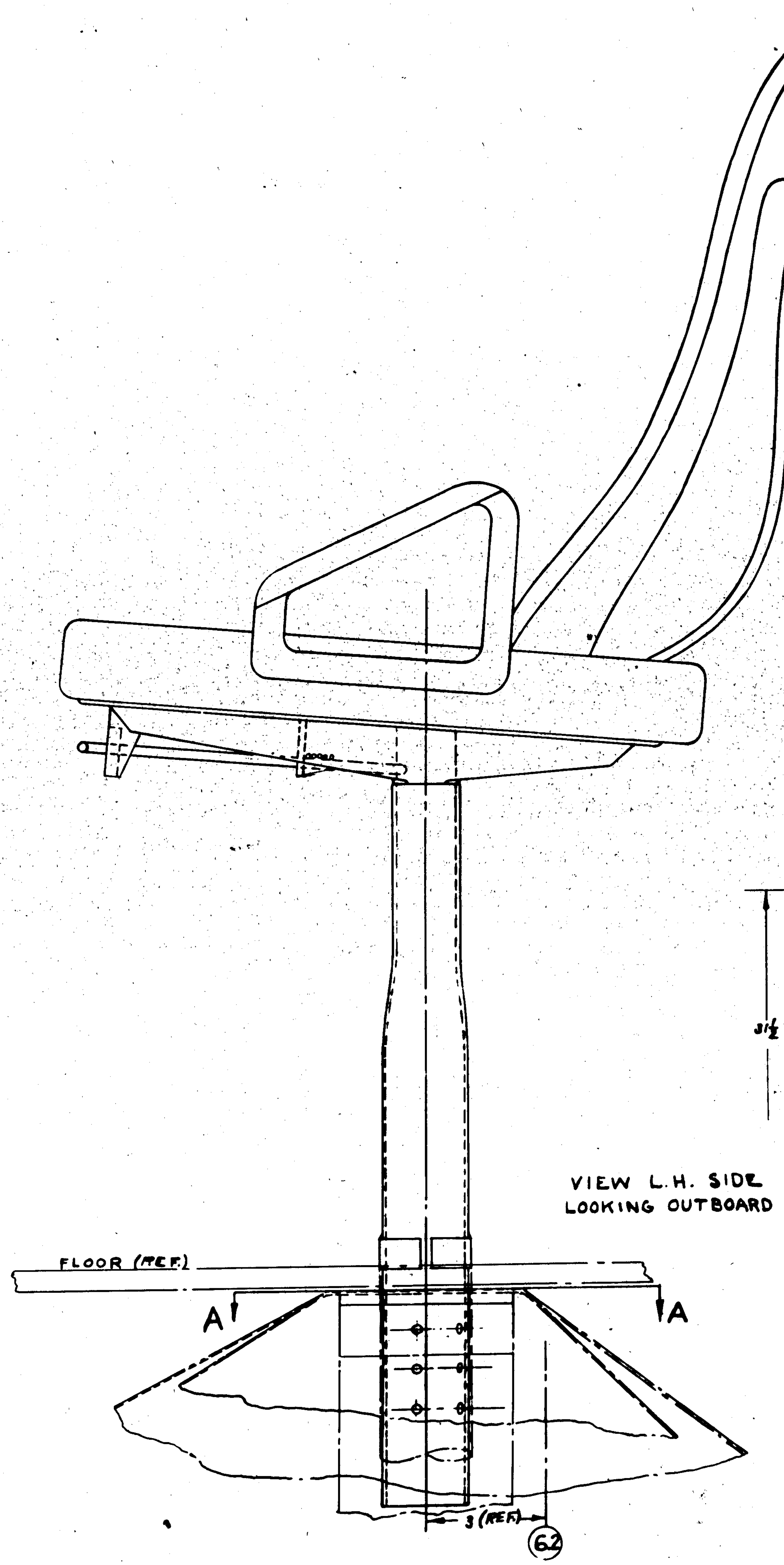


PLAN VIEW FOR -0 ASSY
PLAN VIEW FOR -2 ASSY
SECTION A-A
SECTION X-X
SCALE NONE
VIEW LOOKING FWD TOWARD B'LKHD #1.0
SCALE 1"=1'-0"
FWD.
CUT BACK LEG AT 60°
28B4000-1203 (REF.)
28B4000-1205 (REF.)
28B4000-1207 (REF.)
28B1000-166 (REF.)
28B1000-168 (REF.)
28B1000-170 (REF.)
28B1000-172 (REF.)
28B2009-2 (REF.)
AN442-D4
AN526-D10-8
AC365-D1032
Q5706-15
Q5799-6
AN520-D10-8
Q5761-K10-1.5
AN960-A4 (2)
Q5746-K1-18
-6 L&R (REF.) (-2 INSTALL'N)
-6 L&R (REF.) (-0 INSTALL'N)
-6R (REF.)
-7 (REF.)
STA. #1.35
REDRAWN & REVISED AS PER E.O. A5127/A
NAME STOWAGE-REV WIND-SHIELD SLOT COVER-FURN'S
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
G 28F4166
PARTS LIST PER ASSY.
REQUIREMENTS FOR AIRPLANE

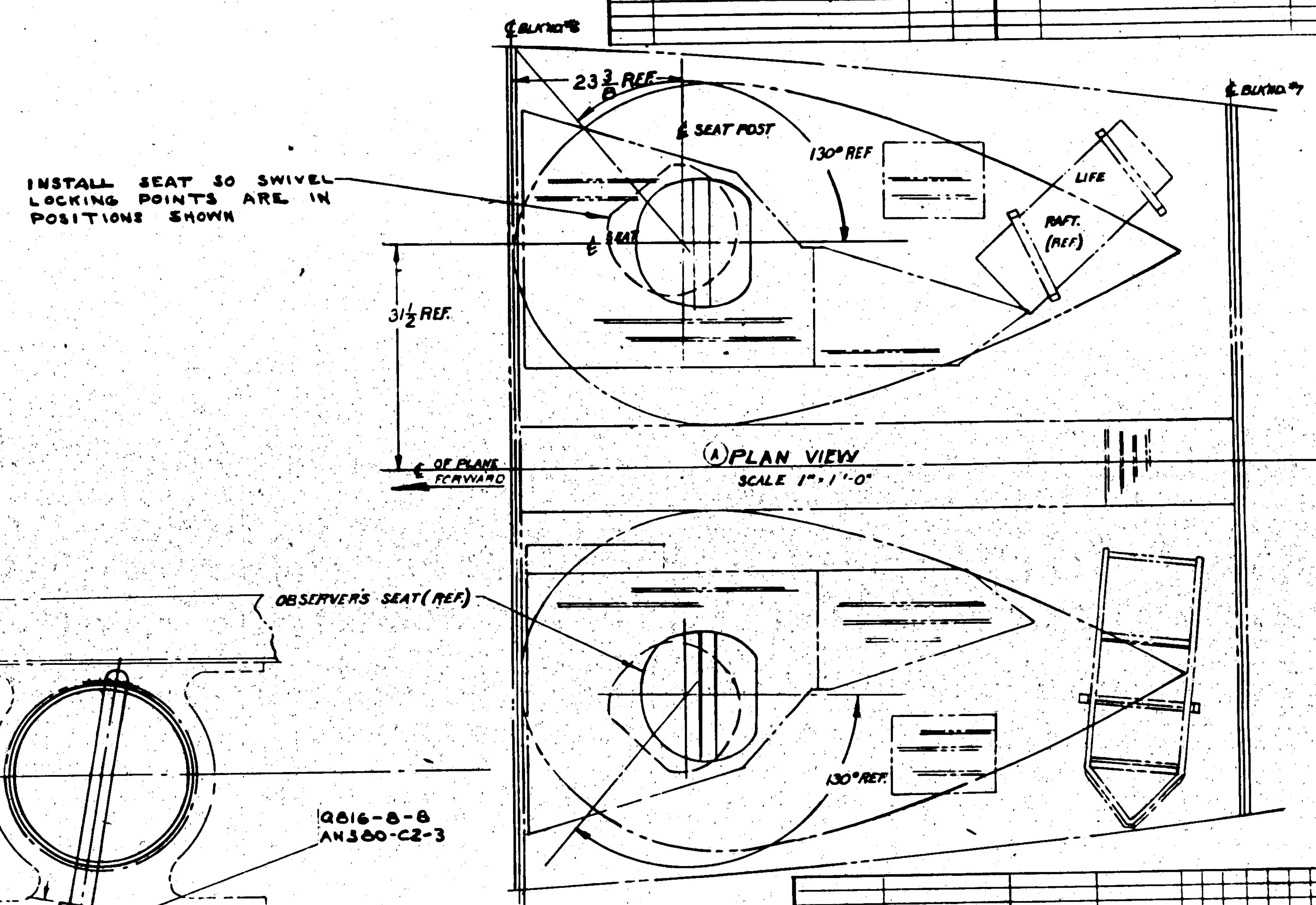

ALTERATION
DATE
BY
NOTES-


28F4026-3
PBY-5,5A E.O. 33418
PBY-5A E.O. 33859
AN425-D4 RIVET AT ℄ TOP RAIL ONLY
DRILL #28 (.1405) 2 HOLES
AN455-D4 RIVETS 3½ SPACING
-7 OPP. TO -8 EXCEPT FOR CUT OUT & LOWER END OF OUTSTANDING LEG TRIMMED TO 45°
28F4026-3 (REF)
28F3096-15 (REF)
28F3014-4
AN425-D4
THIS HOLE FOR -2 ASSEM. ONLY
-6 PANEL FOR -0 ASSEM.
-10 PANEL FOR -2 ASSEM.
-11 PANEL FOR -3 ASSEM.
SEE DETAIL-A FOR -3 ASSY DRILLING
28F3096-1
AN425 D4 RIVET STITCH RIVET AT ENDS OF ANGLES AND AS SHOWN. SPOTWELD ANGLES TO PANEL AT 1" SPACING (APPROX)
AN442-D3 3 PLACES-FLUSH THIS SIDE
28F4026-3 (REF)
28F3014-3 (REF)
TRIM ENDS OF ANGLES AS SHOWN
NOTCH 28F3014-3 TO SUIT FOR 28F3014-8 BRACKET.
28F3014-8
28F3014-3
28F3096-21
AN425-D4 RIVET
DRILL 3/8 DIA HOLE
DRILL 7/16 DIA 2-HOLES
THESE 21 HOLES TO BE INSTALLED BY C.A.C. STARTING WITH #98 PBY-5
THESE 4 HOLES USED ON -2 ASSEM. ONLY.
28F3096-10 AN425-D4
DRILL FOR 1/8 RIVET(4) HOLES MUST MATCH 28E5673(REF)
DRILL #4(.209) ~ 8 PLACES.
AN520 D10-6
AC365 D1032
DRILL #28(.140) 2 HOLES
28F3014-8 (REF)
7/16 DIA. HOLE (REF)
NOTE: DRILL FOR -3 ASS'Y ONLY
DETAIL A SCALE 12"=1'-0"
DETAIL -14 (-2 & -3 ASSY'S) SCALE 12"=1'-0"
FINISH: ANODIZE PRIMER 2 DULL BLACK LACQUER
NOTE
HOLD HEIGHT OF SHOCK MOUNTS ABOVE BOTTOM OF PANEL CLOSELY. TO INSURE PROPER OPERATION OF SAME.
DRILL #18(.169) HOLES FOR SCREWS ON 3 5/32 & 2 5/32 DIA. INSTR. HOLES
PANEL-FURNS.- PILOTS INSTRUMENTS
CONSOLIDATED AIRCRAFT CORP.
28F5007

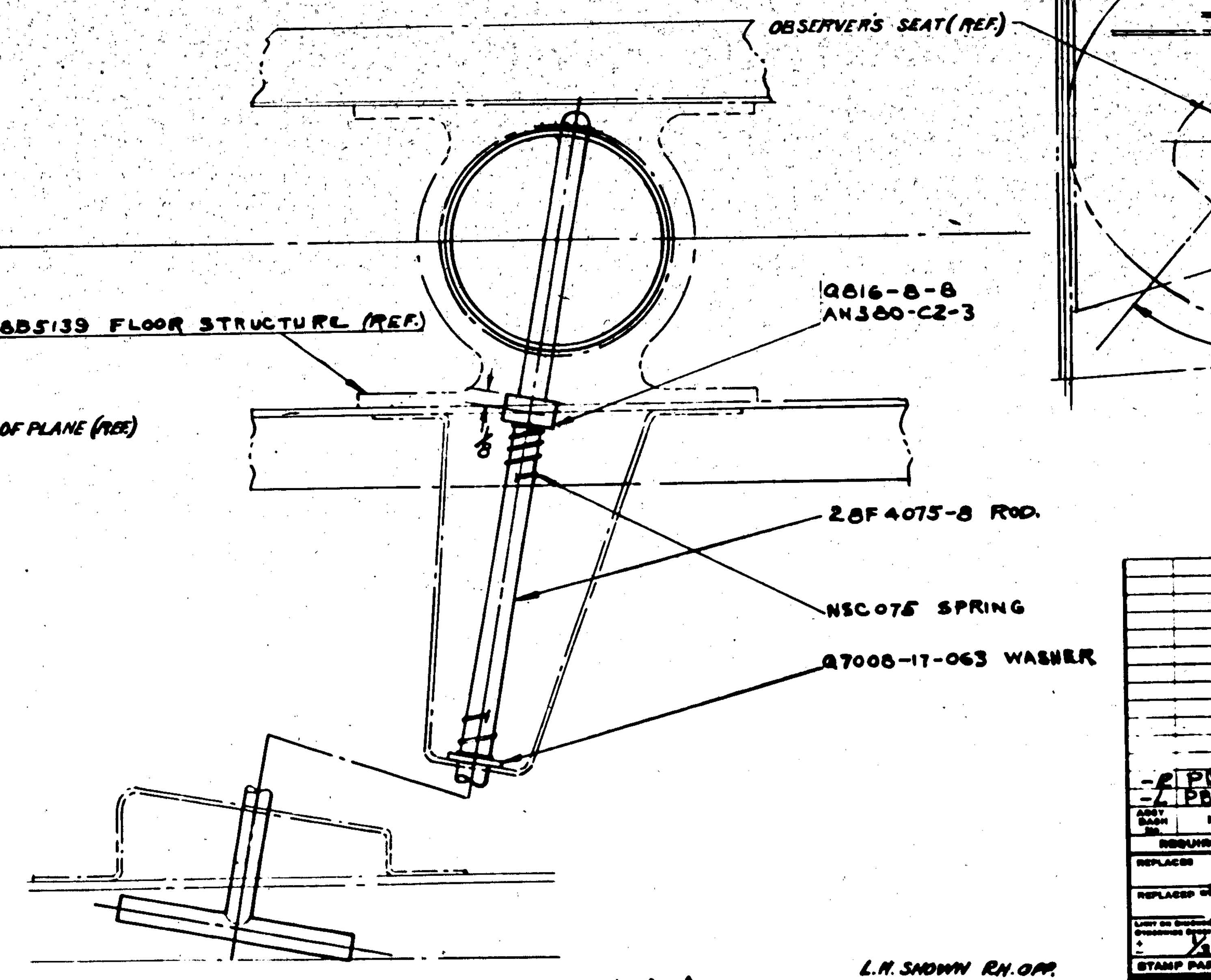
LET	ALTERATION	DATE	BY
A	ADDED PLAN VIEW SHOWING LOCATION OF SEAT IN AIRPLANE	2-6-40	[illegible]
B	ADDED -2 ASSY. FOR 28-5-MF ADDING NAF33941 SAFETY BELT.	2-8-40	[illegible]
C	REMOVED -2 ASSEM FOR 28-5-MF WHEN INCLUDED NAF33941 SAFETY BELT.	3-19-40	[illegible]



VIEW L.H. SIDE
LOOKING OUTBOARD



(A) PLAN VIEW
SCALE 1" = 1'-0"



SECTION A-A
SCALE: 12" = 1'-0"

L.H. SHOWN R.H. OPP.

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
-2	PBY-5	28F1002	1
-1	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES | CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
AN380-C2-3			
Q816-8-8			
Q7008-17-063			
NSC075			
28F4075-8			
28F5034			
-6			

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT | CHECK | STRUCT. | MAT. | APPROV | ENG

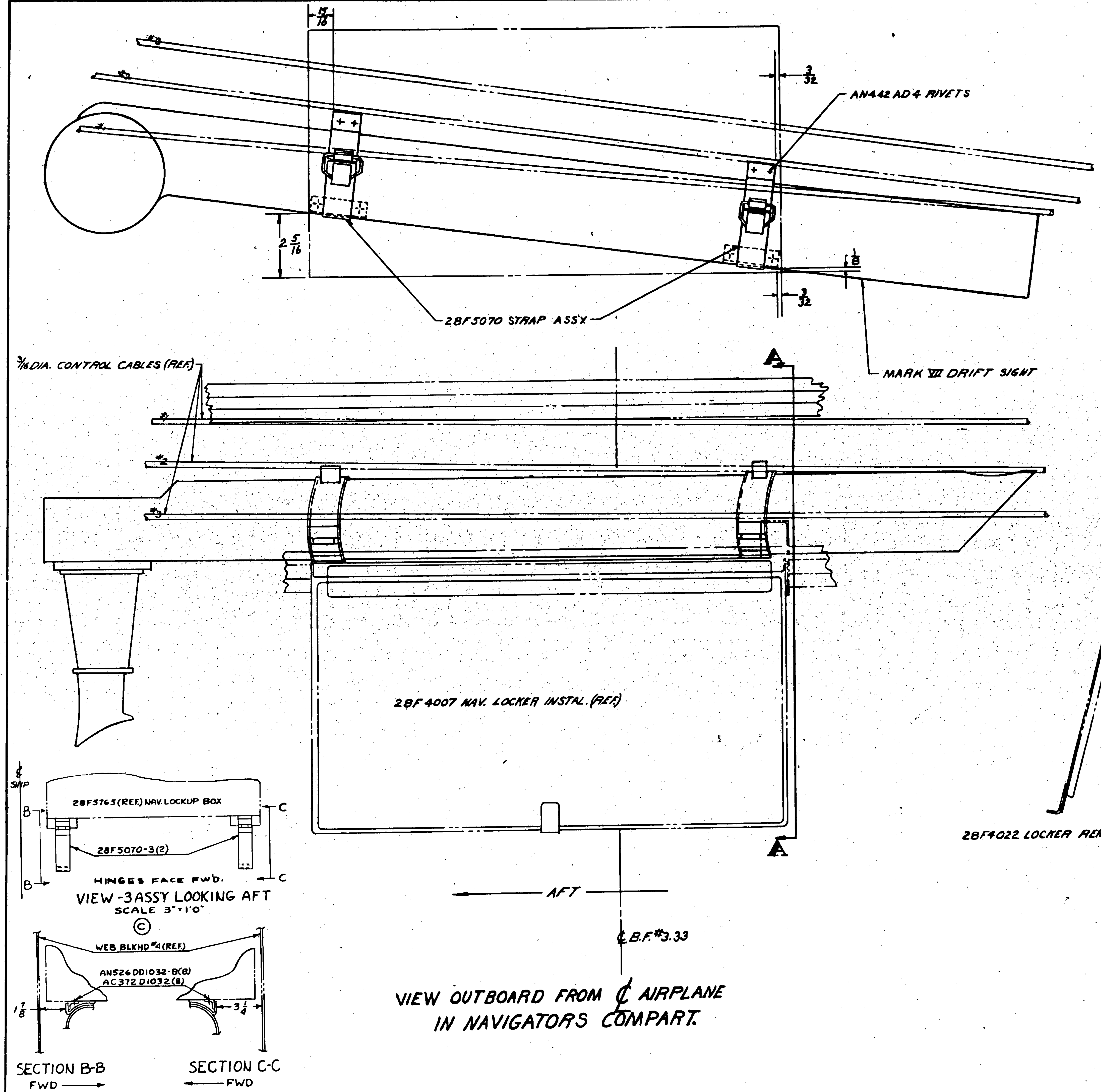
NAME: INSTALL-FURNS. OBSERVERS SEAT

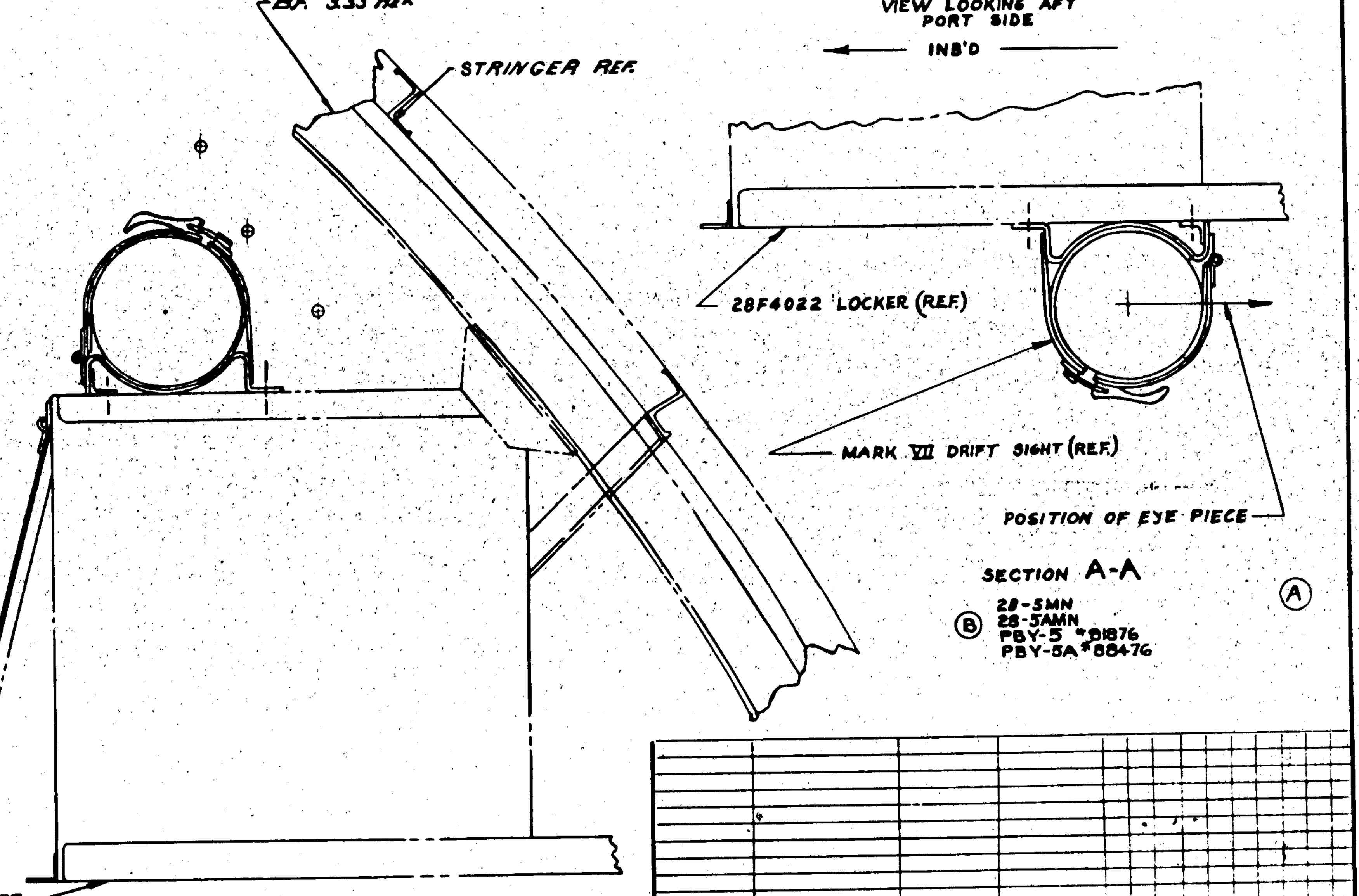
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND 28F5008-R

DWG. SIZE G — 28F5008

LET	ALTERATION	DATE	BY
A	ADDED SECTION A-A (FOR 28-5MN) & NOTES	7-31-41	HORN
B	CREATED -2 ASS'Y. CHG'D NOTE UNDER SECT. A-A FROM "28-5AMN ONLY" TO "28-5MN, 28-5AMN, PBY-5 C. 91876, PBY-5A C. 88476." MADE SAME CHG. IN NOTE 1. NO WT. CHG.	3-19-42	
C	CREATED -3 ASS'Y FOR PBY-5B. NEG. WT. CH.	7-22-42	





NOTE: 1. STOW DRIFT SIGHT PARALLEL WITH EDGE OF LOCKER, EYE PIECE TO BE AT AFT END OF LOCKER & POINTING OUTBOARD AS INDICATED (28-5MN, 28-5AMN, PBY-5 C. 91876, & PBY-5A C. 88476) (B)

SECTION A-A (A)

C. 88476
C. 91876
C. 70496 & 77715
C. 70496

GOV. FURNISHED * MARK VII DRIFT SIGHT

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
-3	PBY-5B	28F7002	1
-2	28-5MN	28F5502	1
-2	28-5AMN	28F6005	1
-2	PBY-5A	28F6002	1
-2	PBY-5	28F7002	1
	PBY-5A	28F6002	1
	PBY-5	28F7002	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
* MARK VII DRIFT SIGHT				1	1			
AN442AD4						8		
AN526DD1032-8						8		
AC372 D1032								
28F5070-3						2		
28F5070				2	2			

PARTS LIST PER ASSY.

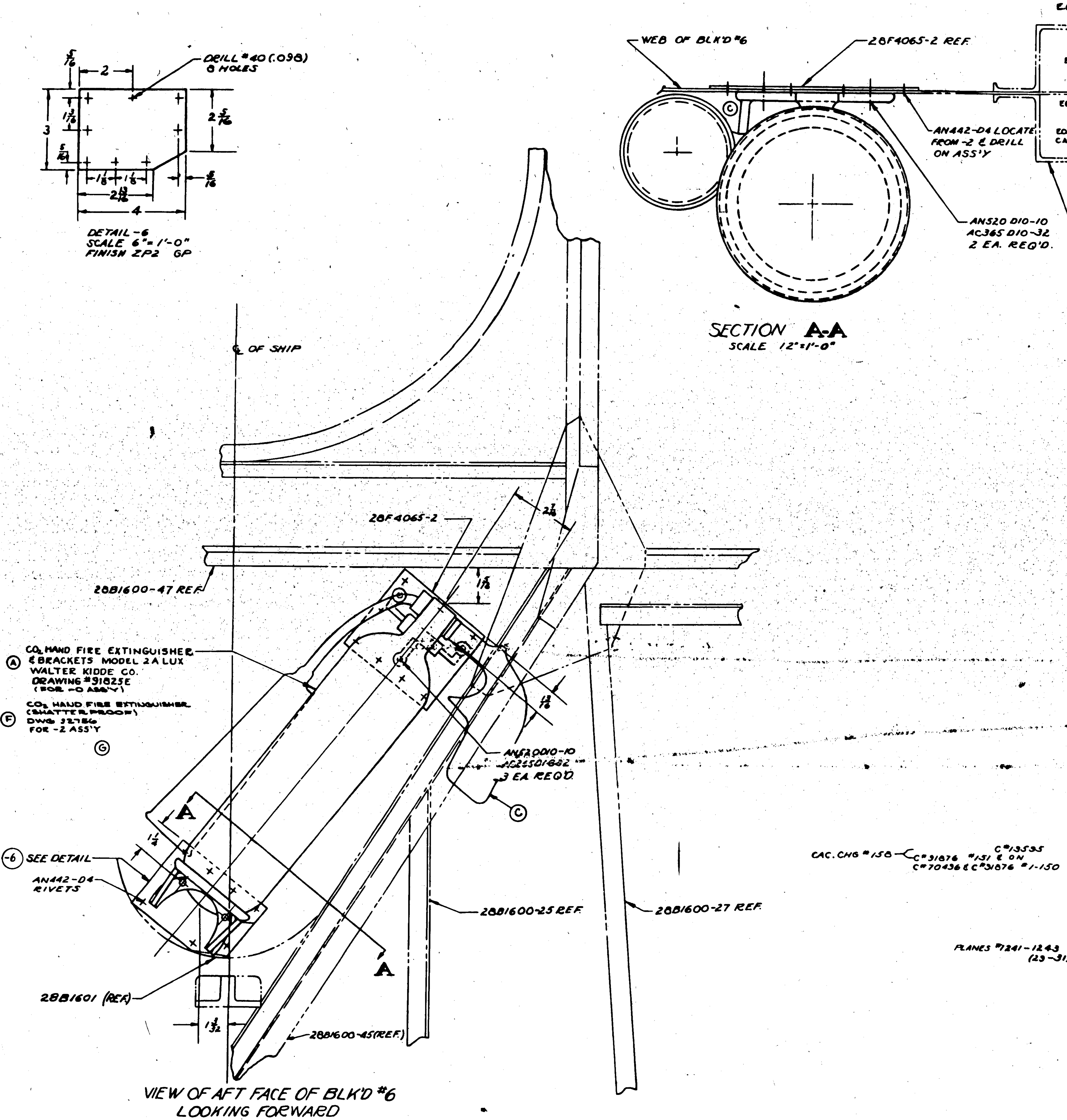
REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
SCALE 6" = 1'-0"
± 1/16
STAMP PART NUMBERS WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT 9/17/40 — CHECK — STRUCT — MAT — APPROV — ENG

NAME INSTAL.-FURNS.-DRIFT SIGHT STOWAGE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND
DWG. SIZE G — 28F5014
R



LET	ALTERATION	DATE	BY
A	CHANGE FIRE EXTING. MODEL NUMBER FROM #2 (DWG.70024) TO #2A (DWG. 91825E)	10-4-40	
B	ADDED PBY-5A, OA-10 AND 28-5 AMC REQ'TS.		PRESCH
C	REVERSED POS. OF HANDLE 180° - CHANGED FUNNEL SUPP'T LUG TO OPP. SIDE.	11-1-40	
D	ADDED 28-5ME, MA, MC AND MN REQ'TS.	12-10-40	PRESCH
E	REV. REQ'TS/AIRP. & ADDED NOTE "C.A.C. #EXT. 3" TO CO2 (B/M) NO WT. CHG.	11-11-42	ZINKIAN
F	CREATED -2 ASSY. REV. REQ'TS /AIRP. WT. CHG. NEG.	11-11-42	ZINKIAN
G	REMOVE FROM FACE OF DRWG & B/M CAC. #8R-8 WALTER KIDDE #78224 NO WT. CHG.		SCHLUETER

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-2	PBY-5A	28F4184	1
-2	PBY-5	28F1002	1
-0	PBY-5	28F1002	1
-0	PBY-5B	28F7002	1
-0	PBY-5A	28F4184	1
-0	28-5AMN	28F4184	1
-0	28-5AMC	28F4184	1
-0	28-5MN	28F5502	1
-0	28-5ME	28F5502	1
-0	28-5MC	28F5502	1
-0	28-5MA	28F5502	1
-0	PBY-4	28F4065-1	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	-0	-2	-3	-4	-5
EXTINGUISHER 32756		CAC #EXT 2-31			1			
CO2 HAND FIRE EXTINGUISHER MODEL 2A LUX WALTER KIDDE COMPANY			CAC #EXT.3	1				
AN442-D4								
AN520D10-10				5	5			
AC365D1032				5	5			
28F4605-2				1	1			
-4	.040 X 3 1/8 X 4 1/2	24ST AL. AL	47A10 CONST	1	1			

PARTS LIST PER ASSY.

REPLACES	CALC WT
REPLACED BY	ACT WT
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64	SCALE 6"=1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

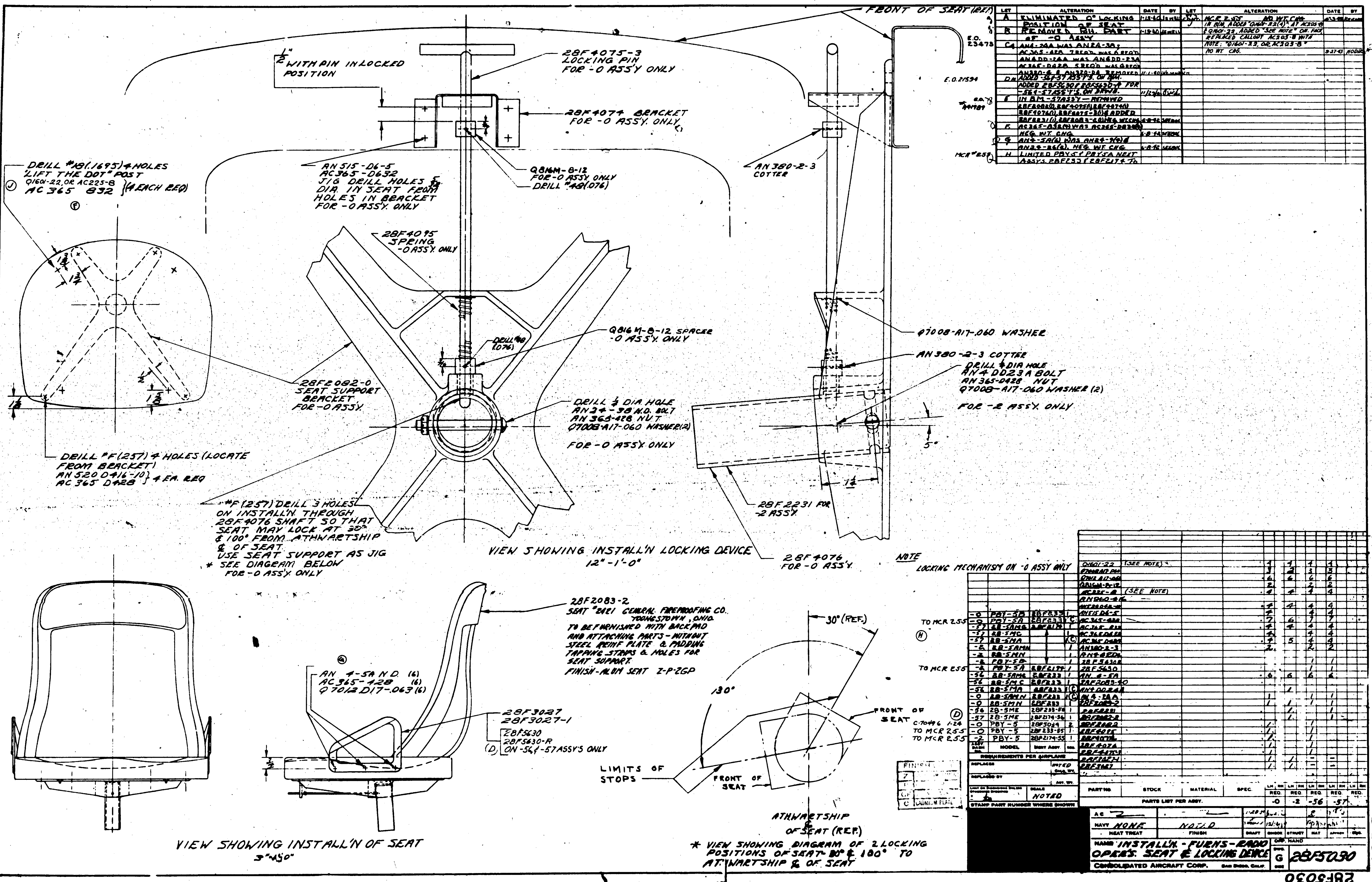
A C					C.S.	3
NAVY NONE	NOTED					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV / ENG.

NAME INSTALL. - FURNS. - HAND FIRE EXTINGUISHER BLK'D #6

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

SIZE G — DWG 28F5029

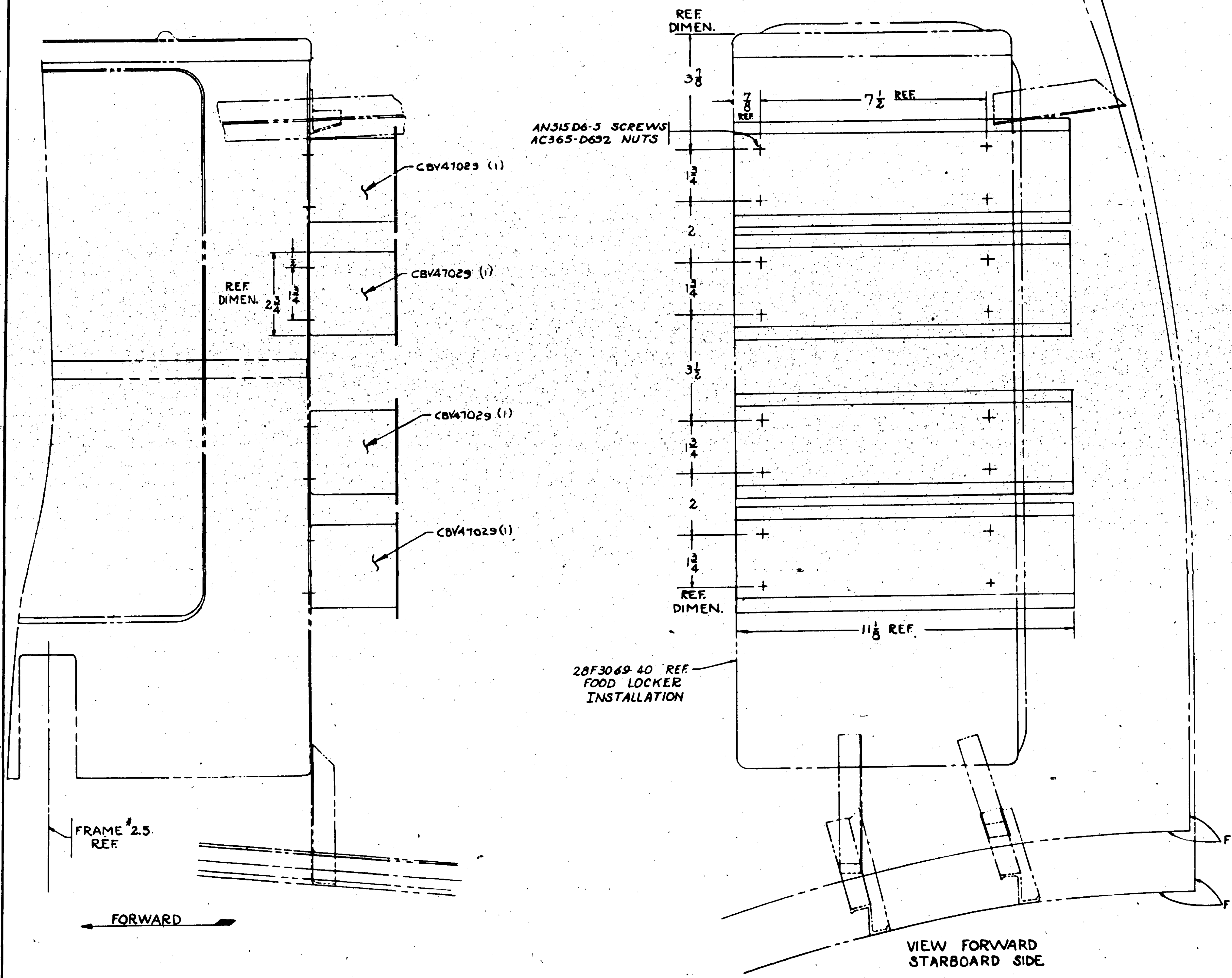
R 28F5029


FRONT OF SEAT (REF.)
1/2" WITH PIN IN LOCKED POSITION
28F4075-3 LOCKING PIN FOR -0 ASS'Y ONLY
28F4074 BRACKET FOR -0 ASS'Y. ONLY
DRILL #18(.1695) 4 HOLES "LIFT THE DOT" POST
Q1601-22, OR AC225-8
AC 365 832 (4 EACH REQ)
AN 515-D6-5
AC365-0632
JIG DRILL HOLES DIA. IN SEAT FROM HOLES IN BRACKET FOR -0 ASS'Y. ONLY
Q816M-8-12 FOR -0 ASS'Y ONLY
DRILL #48(.076)
AN 380-2-3 COTTER
28F4095 SPRING -0 ASS'Y. ONLY
Q816M-8-12 SPACER -0 ASS'Y. ONLY
Q7008-A17-060 WASHER
AN 380-2-3 COTTER
DRILL 1/4 DIA HOLE
AN4 DD23A BOLT
AN 365-0428 NUT
Q7008-A17-060 WASHER (2)
FOR -2 ASS'Y. ONLY
28F2082-0 SEAT SUPPORT BRACKET FOR -0 ASS'Y.
DRILL 1/4 DIA HOLE
AN 24-38 N.D. BOLT
AN 365-428 NUT
Q7008-A17-060 WASHER (2)
FOR -0 ASS'Y ONLY
DRILL #F(.257) 4 HOLES (LOCATE FROM BRACKET)
AN 520 D416-10
AC 365 D428 } 4 EA. REQ
#F(.257) DRILL 3 HOLES ON INSTALL'N THROUGH 28F4076 SHAFT SO THAT SEAT MAY LOCK AT 30° & 100° FROM ATHWARTSHIP ℄ OF SEAT.
USE SEAT SUPPORT AS JIG
* SEE DIAGRAM BELOW FOR -0 ASS'Y. ONLY
28F2231 FOR -2 ASS'Y.
VIEW SHOWING INSTALL'N LOCKING DEVICE 12" - 1'-0"
28F4076 FOR -0 ASS'Y.
NOTE LOCKING MECHANISM ON -0 ASSY ONLY
28F2083-2
SEAT "2421 GENERAL FIREPROOFING CO. YOUNGSTOWN, OHIO
TO BE FURNISHED WITH BACK PAD AND ATTACHING PARTS - WITHOUT STEEL REINF PLATE & PADDING TAPPING STRAPS & HOLES FOR SEAT SUPPORT.
FINISH - ALUM SEAT Z-P-2GP
AN 4-5A N.D. (6)
AC365-428 (6)
Q7012 D17-063 (6)
28F3027
28F3027-1
28F5630
28F5630-R
ON -56,-57 ASS'Y'S ONLY
30° (REF.)
130°
FRONT OF SEAT
LIMITS OF STOPS
FRONT OF SEAT
ATHWARTSHIP ℄ OF SEAT (REF.)
VIEW SHOWING INSTALL'N OF SEAT 3" = 1'-0"
* VIEW SHOWING DIAGRAM OF 2 LOCKING POSITIONS OF SEAT 30° & 100° TO ATHWARTSHIP ℄ OF SEAT
PART NO. STOCK MATERIAL SPEC.
PARTS LIST PER ASSY. -0 -2 -56 -57
REQUIREMENTS PER AIRPLANE
SCALE NOTED
AC
NAVY NONE
HEAT TREAT
NOTED
FINISH
DRAFT CHECK STRUCT MAT APPROV
NAME INSTALL'N - FURNS - RADIO OPER'S. SEAT & LOCKING DEVICE
OPP. HAND
G
28F5030
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28F5030

BUREAU CHANGE INCORP.

CHANGE NO. 88 - PBY-1 ALL
CHANGE NO. 47 - PBY-2 ALL
CHANGE NO. 24 - PBY-3 ALL

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED NOTE TO DWG. ADDED PBY-5A & 28F6002 TO REQ. PER AIRPLANE. ADD'L CBY47068, 70, 72, 75.	[illegible]	[illegible]				
B.	CHANGE REQ'MENTS ON PBY-5 TO 70496 ALL 91876 1 TO 90	3-5-42	[illegible]				
C.	CHANGE N/A TO 28F2055-57 FOR PBY-5 & PBY-5A	3-5-42	[illegible]				
D	REMOVED CBY 47075, 47072, 47070 & 47068	3-5-42	[illegible]				



FOR INSTALLATION OF RADIO COIL BOX BRACKETS, SEE DWG. 28F2055

(A) NOTE
* GOVERNMENT FURNISHED EQUIP., TO BE C.A.C. INSTALLED ON PBY5A ONLY.

(D)

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
* CONTAINERS, COIL-TYPE CBY-47029 (GOV'T. FURN. DWG. 213270-2)				4				
AN515D6-5				16				
AC365-D632				16				

PARTS LIST PER ASSY.

(C)

(B) C88476, C70496 & 77713 → -0; C70496, C91876 #1 TO 90 → -0; FUTURE

ASSY DASH No.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5A	28F2055-57	1
-0	PBY-5	28F2055-57	1
	PBY-4	28F2055-20	1
	PBY-3	28F2055	1
	PBY-2	28F2055	1
	PBY-1	28F1290	1

REQUIREMENTS PER AIRPLANE

REPLACES	2.50 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	SCALE 6"-1'-0"

STAMP PART NUMBER WHERE SHOWN

A C		DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.
NAVY NONE	NONE	[illegible] 11-29-39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH						

NAME INSTALLATION- FURNS.- RADIO COIL BOXES.

OPP. HAND

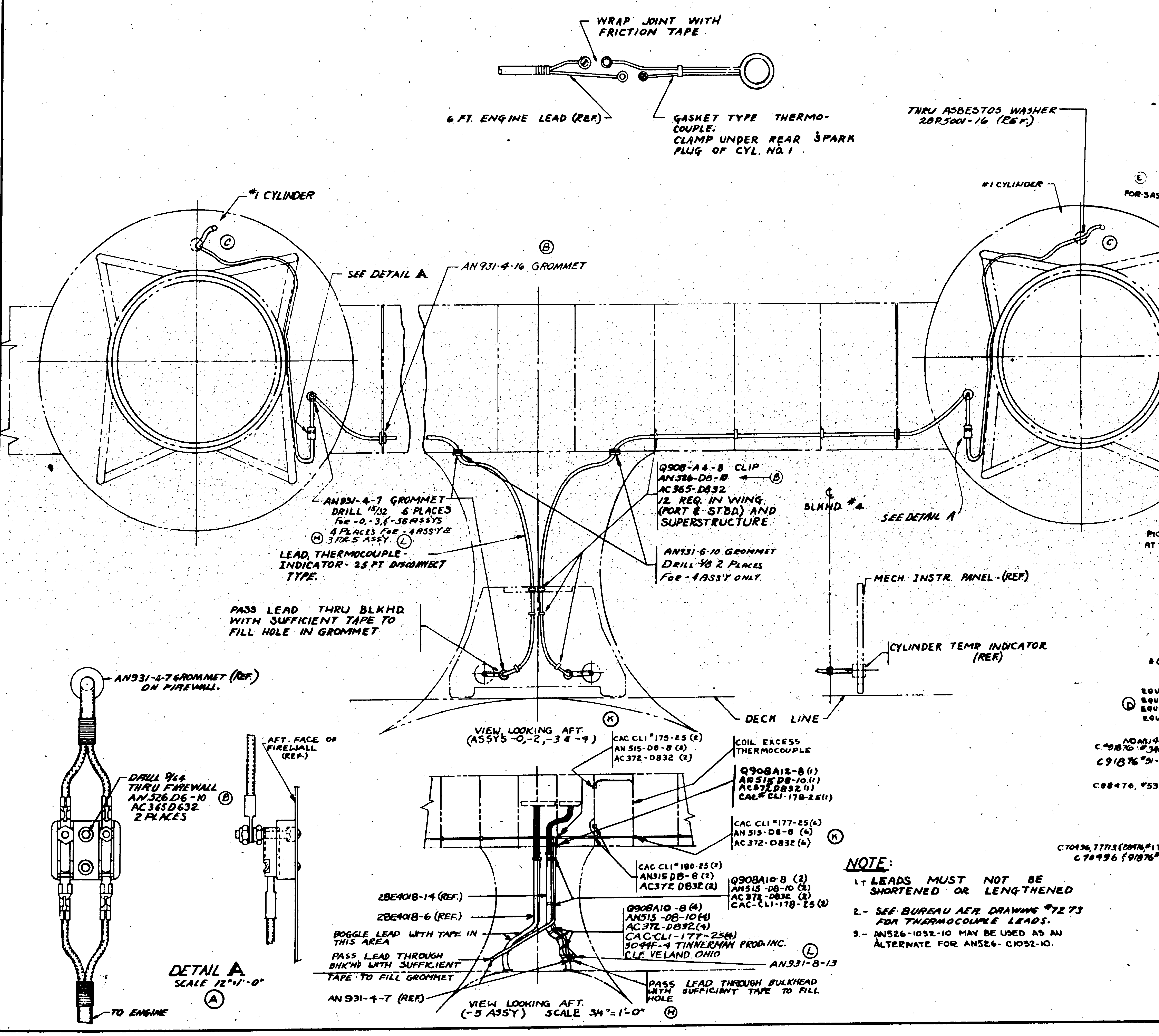
DWG. G 28F5031

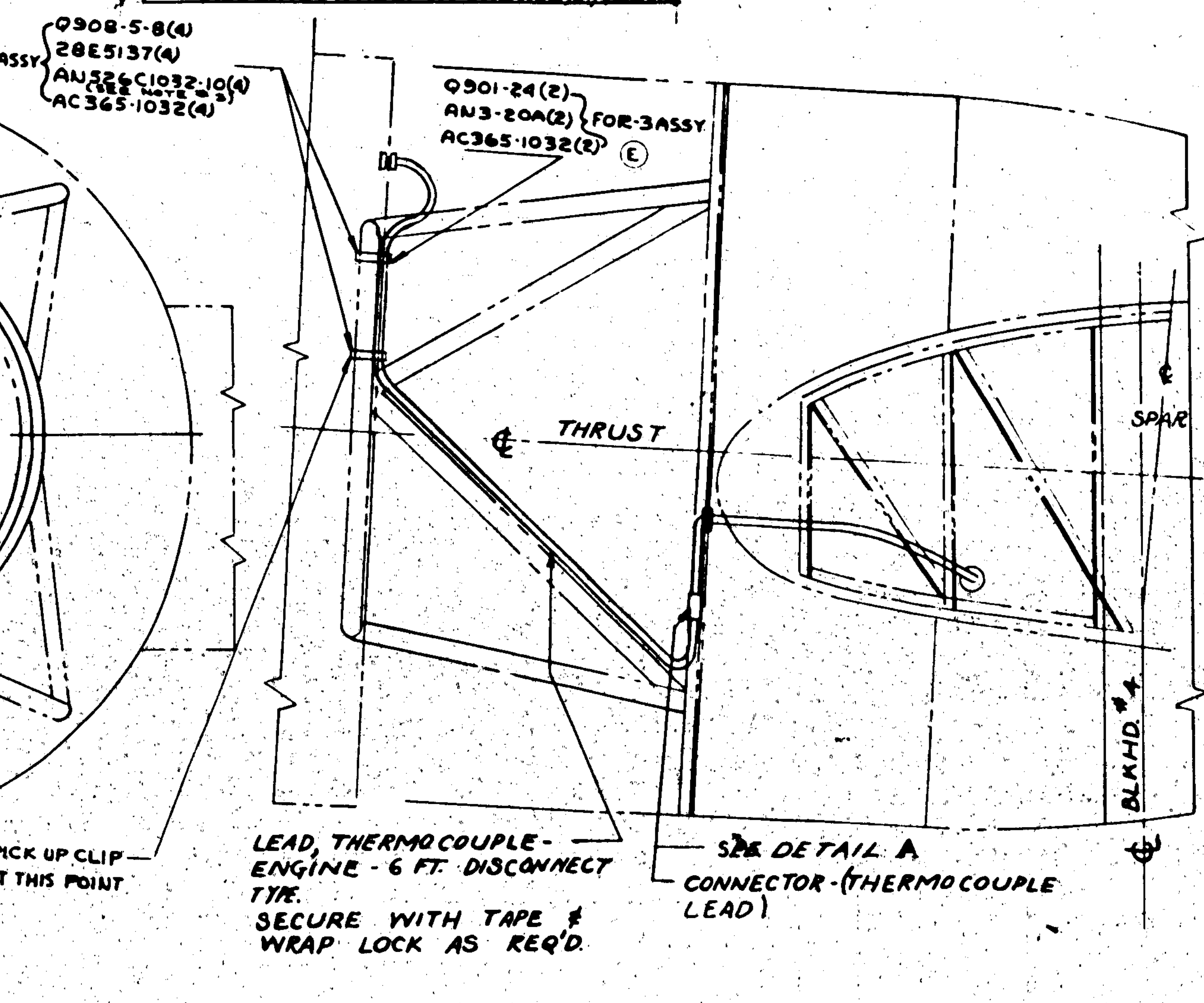
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

E.O. 28553

LET	ALTERATION	DATE	BY
B	WAS AN515-D6-8 AND AN515-D8-10 GROMMET WAS AN931-4-7	11-13-40	[illegible]
H	CREATED -5 ASSY SAME AS -4 ASSY EXCEPT ADDED TO FACE & B/M Q908A12-8(1), Q908A10-8(6), CAC CLI-178-25(1), CAC CLI-177-25(4), AC372D832(13) & AN515D8-10(13). REMOVED Q908A-4-8(6) AC365D832 (12) AN526D8-10(12) & AN931-6-10 (2). -5 ASS'Y REPLACES -4 FOR PBY6A. (C.R. 37892 & 37392)		
	ADDED VIEW FOR -5 ASSY NEGL WT CHG	6-3-43	[illegible]
J	IN B/M FOR AN526-C1032-10 & ON FACE ADDED "SEE NOTE #3" TO FACE OF DWG. ADDED NOTE #3. NO WT. CHG.	7-6-43	KNIGHT
K	IN -5 ASSY & B/M ADDED PARTS CAC CLI.179-25(2), CAC CLI 180-25(2) CAC CLI.177-25(6) AC372D832(4) AN515-D8-8(10) COIL EXCESS THERMOCOUPLE. REMOVED - AN515-D8-10(6) (WT. CHG. NEG)	8-14-43	[illegible]
L	ON FACE & B/M FOR -5 ASSY ADDED AN931-8-13 (1) REQ. FOR -5 ASSY AN931-4-7(3) REQ WAS (4) REQ. WT CHG NEG	9/29/43	CLARK

LET	ALTERATION	DATE	BY
A	ADDED DETAIL "A" WITH ATTACH PARTS FOR THERM CONN	12-22-39	[illegible]
C	RE-ROUTED THERMOCOUPLE - E.O. 28449 LEAD FROM #5 CYL. TO #1 CYL.	[illegible]	[illegible]
D	ADDED -0 ASSY. FOR PBY5A [illegible] & -56 ASSY FOR 28-5MC, 28-5ME, 28-5MN, 28-5MA & 28-5AMC	12-4-40	[illegible]
E	CREATED -3 ASSY FOR PBY-5A #53 & ON ADD Q908-5-8(4) Q901-24(2) 28E5137(4) AN526C1032-10(4), AN3-20A(2), AC365-1032(4) TO -3 ASSY. NEG WT CH	8-7-42	[illegible]
F	CHG'D -0 ASSY TO -3 ASSY FOR PBY5 C.91876 SHIPS #91 & ON. NO WT. CHG.	10-15-42	[illegible]
G	CREATED -4 ASSY SIMILAR TO -3 ASSY EXCEPT ADDED AN931-6-10(2) & REMOVED TWO (2) OF AN931-4-7. MADE CHG ON FACE & B/M. NO. WT. CHG. -4 ASS'Y REPLACES -3 ASSY FOR #918[illegible] #346 & ON AND NO [illegible] 464	3-30-43	[illegible]





NOTE:

1. LEADS MUST NOT BE SHORTENED OR LENGTHENED
2. SEE BUREAU AER. DRAWING #7273 FOR THERMOCOUPLE LEADS.
3. AN526-1032-10 MAY BE USED AS AN ALTERNATE FOR AN526-C1032-10.

\# GOV'T. FURNISHED EQUIP

(D) EQUIV. TO LEWIS ENG. CO. # 112-8A; EQUIV. TO LEWIS ENG. CO. # L101-25; EQUIV. TO LEWIS ENG. CO. # L100-6; EQUIV. TO LEWIS ENG. CO. # BT-200

PART No	REQ. -0	REQ. -56	REQ. -3	REQ. -4	REQ. -5
AN515-D8-8					10
CAC-CLI-177-25 TINNERMANN #3044-3					6
CAC-CLI 180-25 TINNERMANN #3044F-6					2
CAC-CLI 179-25 TINNERMANN #3044-3					2
# CONNECTOR - THERMOCOUPLE LEAD	2		2	2	2
# LEAD THERMOCOUPLE - INDICATOR - 25' DISC. TYPE	2		2	2	2
# LEAD THERMOCOUPLE - ENGINE - 6' DISC. TYPE	2		2	2	2
# THERMOCOUPLE - GASKET TYPE	2		2	2	2
CONNECTOR THERMOCOUPLE LEAD		2			
LEAD THERMOCOUPLE INDICATOR - 25 DISC TYPE		2			
LEAD " " ENGINE - 6' " "		2			
THERMOCOUPLE GASKET TYPE		2			
Q908A12-8					1
Q908A10-8					6
CAC-CLI-178-25 (TINNERMAN #3044F-4)					3
CAC-CLI-177-25 (TINNERMAN #3044F-3)					4
AC372D832					17
AN515D8-10					7
AC365-1032			6	6	6
AN526C1032-10 (SEE NOTE #3)			4	4	4
AN3-20A			2	2	2
Q908-5-8			4	4	4
Q901-24			2	2	2
Q908-A4-8	12	12	12	12	
AN931-6-10			2	2	
AN931-4-16	2	2	2	2	2
AN931-4-7	6	6	4	4	3
AN526-D8-10	12	12	12	12	
AC365-D832	12	12	12	12	
AN526D6-10	4	4	4	4	4
AC365D632	4	4	4	4	4
28E5137			4	4	4
AN931-8-13					1

PARTS LIST PER ASSY.

ASSY DASH No.	MODEL	NEXT ASSY	REQ.	
-5	PBY-5A	28F6001	1	NO ARU 464 C.91876 #346 & ON
-4	PBY5	28F1002	1	
-3	PBY5	28F1002	1	C91876 #91-#345
-0	PBY-5B	28F7001	1	
-56	28-5AMN	28F6005	1	
-3	PBY-5A	28F6001	1	C.88476, #53-#146
-56	28-5-AMC	28F6005	1	
-56	28-5 MA	28F5502	1	
-56	28-5MN	28F5502	1	
-56	28-5MC	28F5502	1	
-56	28-5ME	28F5502	1	
-0	PBY-5A	28F6001	1	C.70496, 77713 (88476 #1 TO 52)
-0	PBY-5	28F1002	1	C70496 & 91876 #1 TO 90

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
SCALE 1 1/2" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

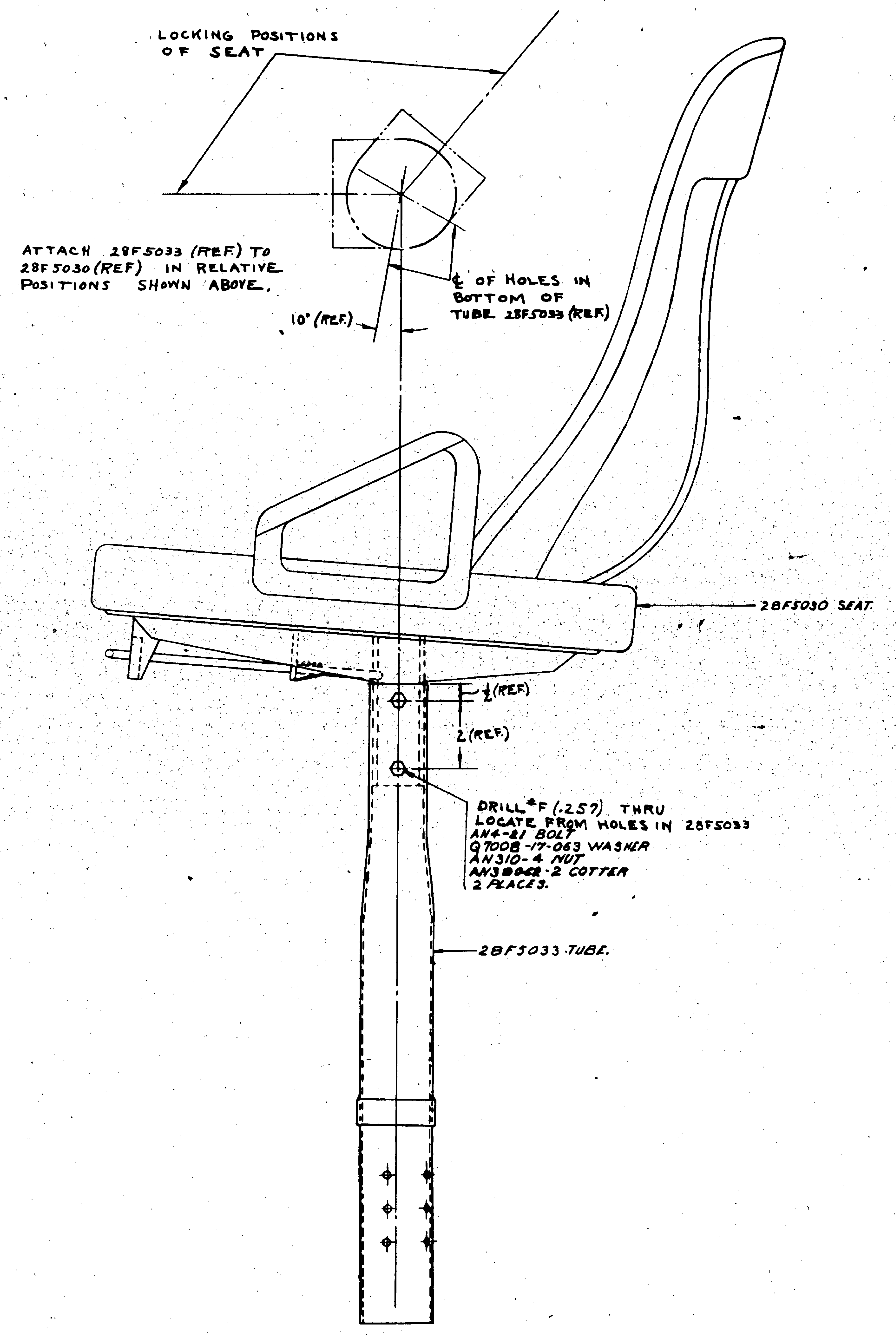
A C							
NAVY NONE	NONE	12-6-39					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME INSTALLATION - FIXED EQUIP - THERMOCOUPLE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND — SIZE G — DWG. 28F5032

R 28F5032



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

ASSY DASH No.	MODEL	NEXT ASSY	NO.
	28-5-MF	28F5008R	1
	28-5-MF	28F5008	1
	PBY-5	28F5008R	1
	PBY-5	28F5008	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH REQ. -0	RH REQ. -0	LH REQ. -2	RH REQ. -2	LH REQ. -3	RH REQ. -3	LH REQ. -4	RH REQ. -4	LH REQ. -5	RH REQ. -5
Q7008-17063				2									
AN380-C2-2				2									
AN310-4				2									
AN4-21				2									
28F5033				1									
28F5030				1									
-0													

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.
NAVY NONE	NONE						
HEAT TREAT	FINISH						

NAME SEAT ASSEMBLY-FURN -OBSERVERS.

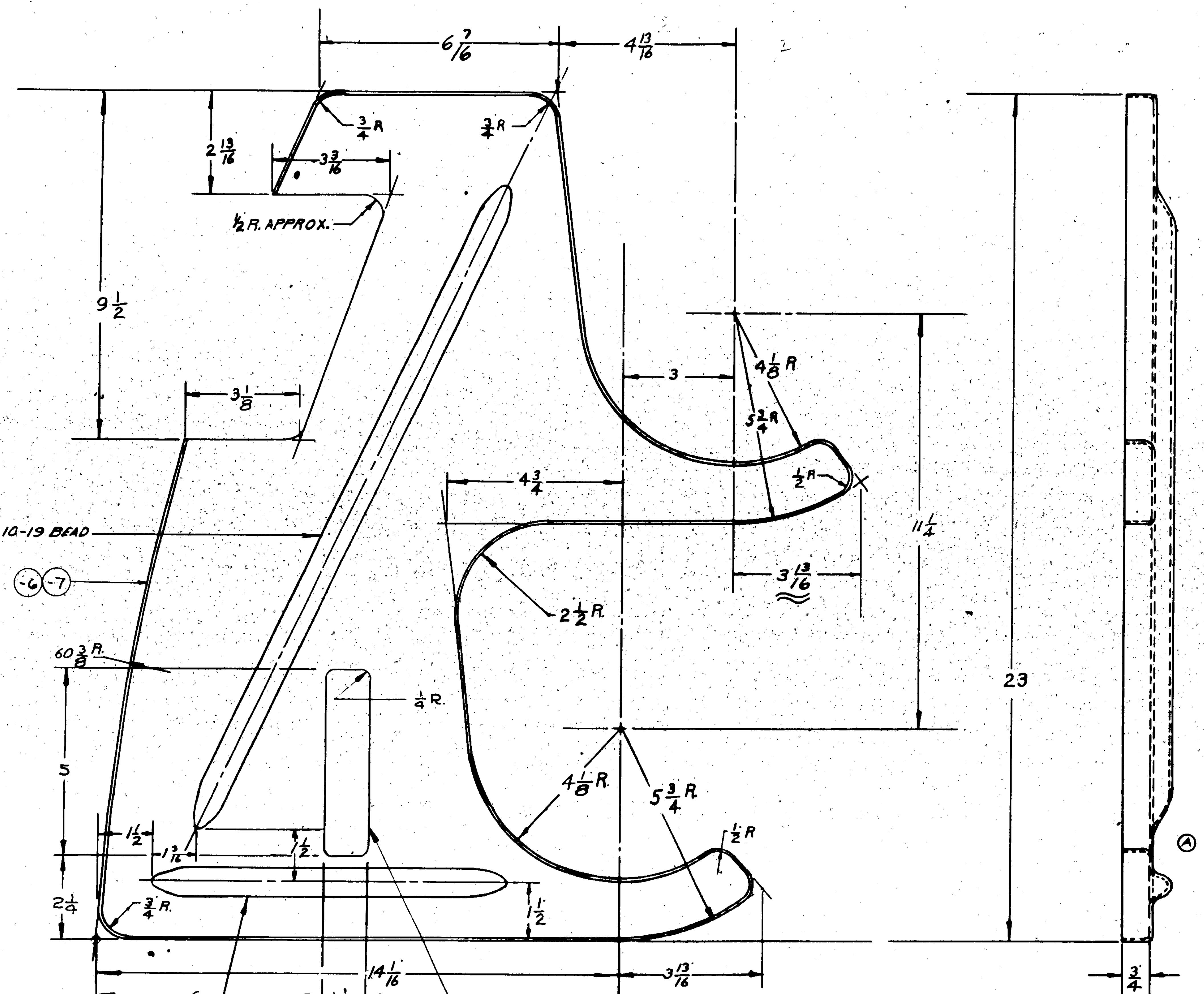
OPP. HAND

DWG. SIZE G — 28F5034

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

E.O. 16911
PBY-5
E.O.A#44628

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED NOTE: "FORM STIFFENING BEADS ---- TO FLANGES" ADDED BEADS IN END VIEW	12-9-41	[illegible]				
B	ADDED -7 & ASSIGNED -6 TO ORIGINAL PART. NEG WT CHG.	7-1-42	[illegible]				



Ⓑ NOTE: CUT OUT ON -7 ONLY

NOTE:- USE 1/4 SPHERICAL RADII IN CORNERS TAPERING TO 1/8 R. ALONG THE SIDES.

Ⓐ NOTE: FORM STIFFENING BEADS IN OPPOSITE DIRECTION TO FLANGES (DOWN) #1-117

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
-7	PBY-5B	28F5037	2
-6	28-5MN		2
-6	28-5ME		2
-6	28-5MC		2
-6	28-5MA		2
-6	PBY-5	28F5037	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE: 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
-7	.040X26X29	24S ALCLAD	47A8 COND. A
-6	.040X26X29	24S ALCLAD	47A8 COND. A

PARTS LIST PER ASSY. — LH RH REQ. -0, -2, -3, -4, -5

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY SA53 COND. T	Z	12/2/39	[illegible]	[illegible]	[illegible]	[illegible]	
HEAT TREAT	FINISH						

NAME SUPPORT-FURNS-WATER TANK-LIVING COMPARTMENT — OPP. HAND

DWG. SIZE G — 28F5038

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

TYPE 28-5AMN
B.B. MOTOR
28F5044-62L

Ⓓ TYPE 28-5AMN
S.B. MOTOR
28F5044-62R

Ⓒ ALL STENCILING TO BE ON OUTSIDE ON INBOARD SIDES OF APPLICABLE COVERS, STENCIL THE FOLLOWING, USING 1" HIGH LETTERS:

MODEL OA-10
PORT ENGINE COVER
28F5044-61L

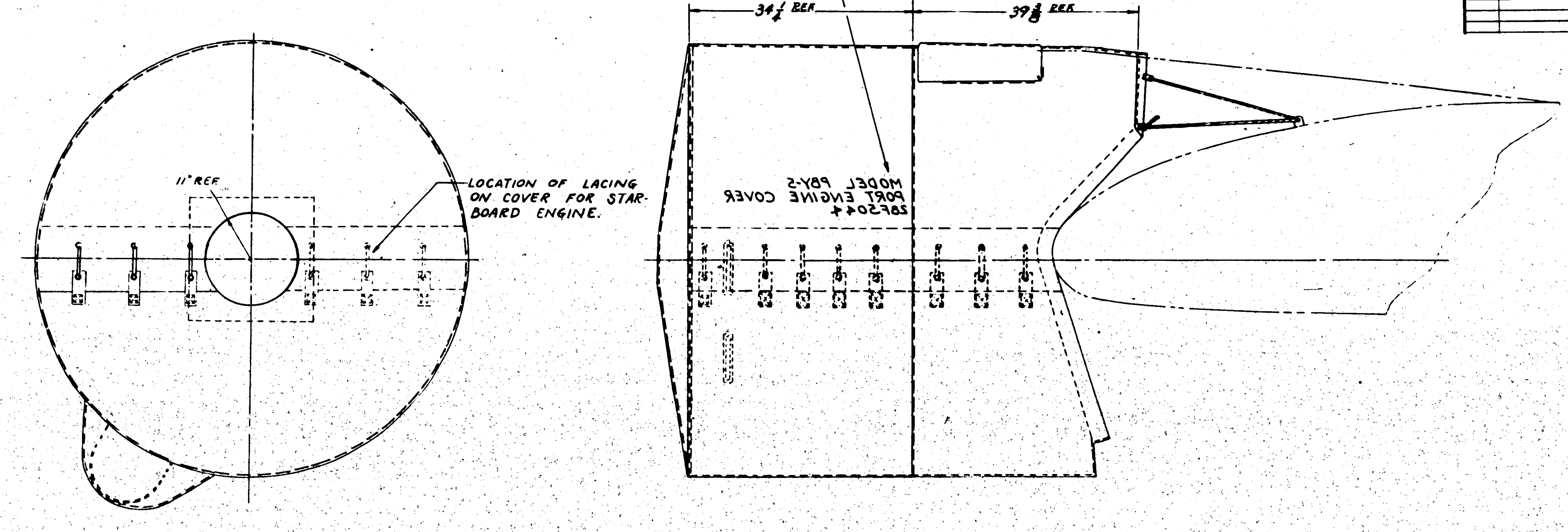
Ⓒ MODEL OA-10
STARBOARD ENGINE COVER
28F5044-61R

MODEL PB-5A
MODEL PBY-5
PORT ENGINE, COVER
28F5044-0

Ⓒ MODEL PBY-5A
MODEL PBY-5
STARBOARD ENGINE COVER
28F5044-2

TYPE 28-5MN
B.B. MOTOR
28F5044-58L

Ⓒ TYPE 28-5MN
S.B. MOTOR
28F5044-58R



FRONT VIEW
PORT ENGINE

LET	ALTERATION	DATE	BY
A	BROUGHT PICTURE UP TO DATE & ADDED NEW REF DIM	[illegible]	[illegible]
B	ADDED -54, -57, -58, -60, -61. E.O. 27191	[illegible]	[illegible]
C	REMOVED -54 L/R, -57 L/R, -60 L/R ASSY'S. ADDED PBY-5A FOR -0, -2 ASSYS. ADDED NOTE FOR -61 L/R STENCIL. ADDED PART NO. TO -58 L/R ON FACE OF DWG & B/M. E.O. 5?914	4-?-41	JWG
D	ADDED NOTES "-62 L & R ... 28-5AMN" & "TYPE .... -62L & TYPE .... -62R." WT. CHG. NEG. E.O. #A-51229	8-6-42	[illegible]

- NOTE -
THREAD STITCHING & SEAMS TO BE IN ACCORDANCE WITH SPEC. 49C8

Ⓒ Ⓓ * ADD { -58 L&R* / -62 L&R / -61 L&R } SAME AS -2 & -0 EXCEPT STENCIL. -2 IS RH, -0 IS LH FOR STENCIL PURPOSES { 28-5MN* / 28-5AMN / 28OUA-1 }

*DUTCH TRANSLATION SEE -58 ON PRINT

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-56R	28-5AMC	28F6005	1
-56L	28-5AMC	28F6005	1
-62R	28-5AMN	28F6005	1
-62L	28-5AMN	28F6005	1
-58R	28 MN	28F5502	1
-58L	28 MN	28F5502	1
-56R	28-5ME,MC,MA	28F5502	1
-56L	28-5ME,MC,MA	28F5502	1
-2	PBY-5A	28F-6002	1
-0	PBY-5A	28F-6002	1
-2	PBY-5	28F1002	1
-0	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

28F5043-2
28F5043-0

* SEE NOTE FOR DASH NO. ASS'YS

PART No	STOCK	MATERIAL	SPEC	LH RH REQ -0	LH RH REQ -2	LH RH REQ -3	LH RH REQ -4	LH RH REQ -5
-0								

PARTS LIST PER ASSY.

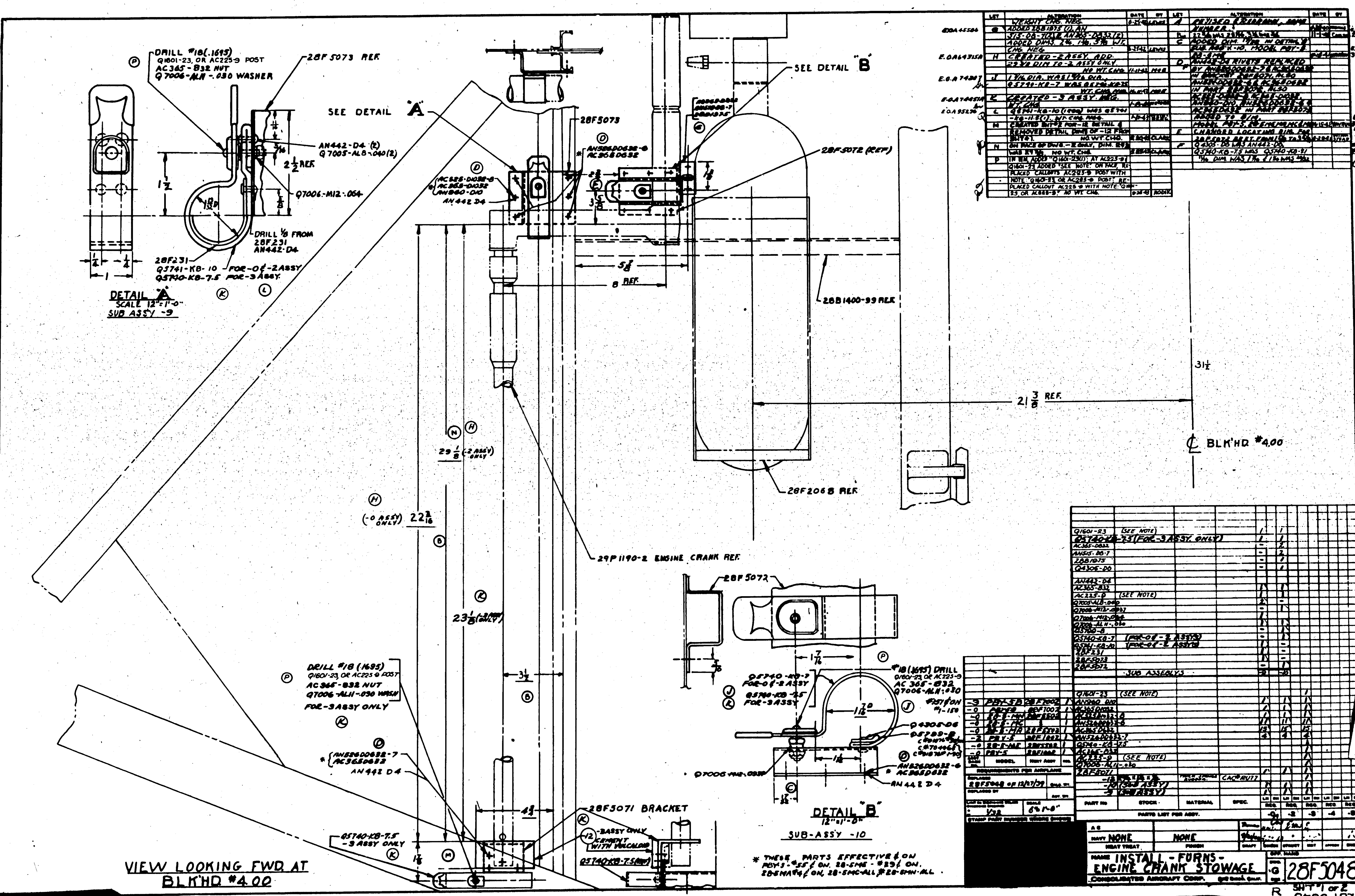
REPLACES — CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16 — SCALE 1 1/2" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT: BESCH 12-26-38 — CHECK — STRUCT — MAT — APPROV — ENG.
OPP. HAND

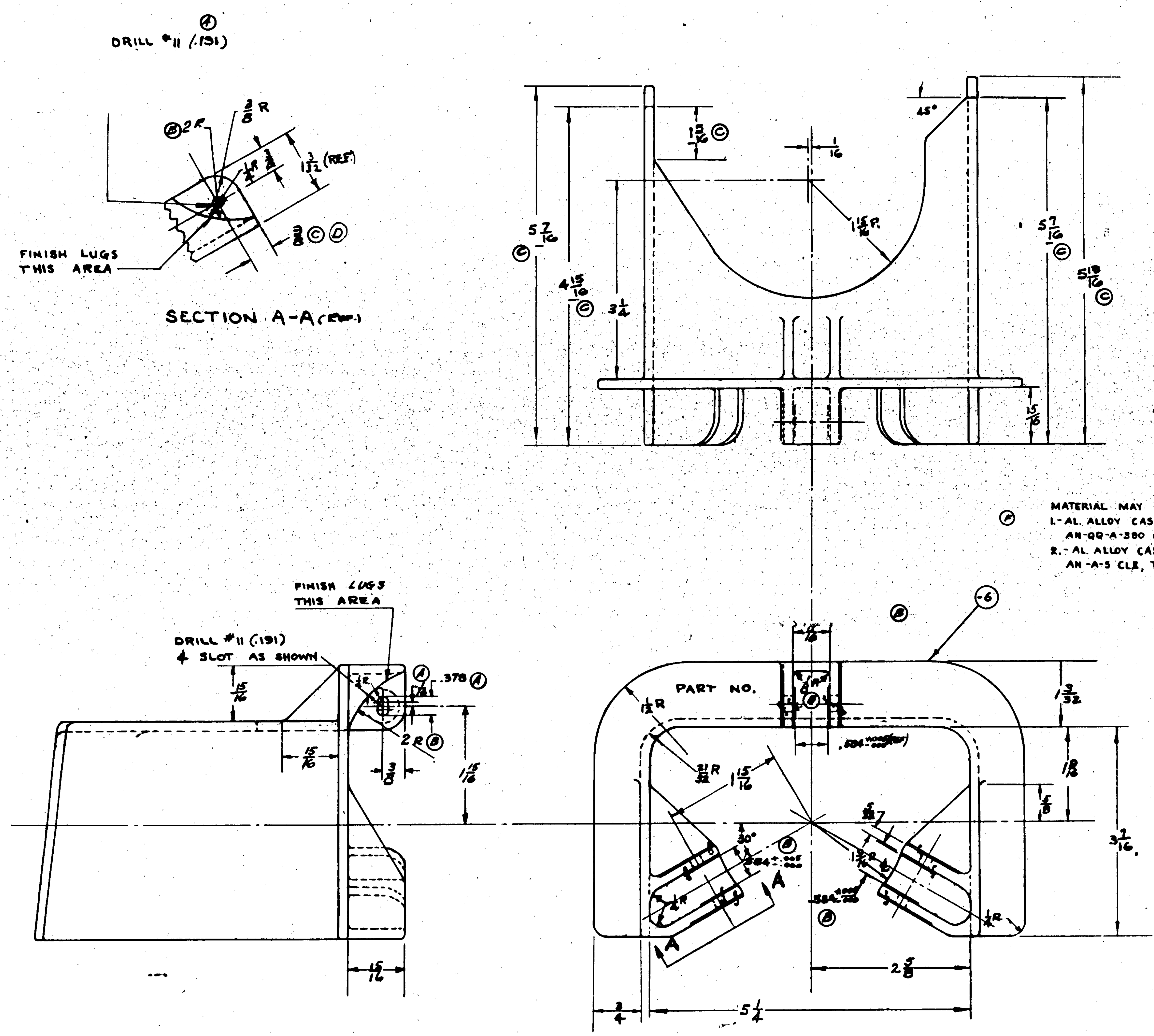
NAME COVER - FURNISHINGS - ENGINE

DWG. G 28F5044

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.


DETAIL "A"
SCALE 12" = 1'-0"
SUB ASSY -9
DRILL #18 (.1695)
Q1601-23, OR AC225-9 POST
AC365-832 NUT
Q7006-ALH-.030 WASHER
28F5073 REF.
AN442-D4 (2)
Q7005-AL8-.040 (2)
2 1/2 REF.
Q7006-M12-.064
DRILL 1/8 FROM 28F231
AN442-D4
28F231
Q5741-KB-10 FOR-0 & -2 ASSY
Q5740-KB-7.5 FOR-3 ASSY.
SEE DETAIL "A"
SEE DETAIL "B"
28F5073
28F5072 (REF)
28B1400-99 REF.
28F2068 REF.
29P1190-2 ENGINE CRANK REF.
21 3/8 REF.
31 1/2
℄ BLK'HD #400
8 REF.
5 3/8
29 1/8 (-2 ASSY ONLY)
(-0 ASSY ONLY) 22 3/16
23 1/8 (-3 ASSY ONLY)
DRILL #18 (.1695)
Q1601-23, OR AC225-9 POST
AC365-832 NUT
Q7006-ALH-.030 WASH
FOR-3 ASSY ONLY
AN442 D4
28F5071 BRACKET
Q5740-KB-7.5 -3 ASSY ONLY
-3 ASSY ONLY
CEMENT WITH VULCALOID
VIEW LOOKING FWD. AT BLK'HD #400
28F5072
Q5740-KB-7 FOR-0 & -2 ASSY
Q5740-KB-7.5 FOR-3 ASSY
#18 (.1695) DRILL
Q1601-23, OR AC225-9
AC365-832
Q7006-ALH-.030
Q4305-D6
Q7006-M12-.032
AN442 D4
DETAIL "B"
12" = 1'-0"
SUB-ASSY -10
* THESE PARTS EFFECTIVE ON PBY-5 ... ON, 28-5ME ... ON, 28-5MA ... ON, 28-5MC-ALL, 28-5MN-ALL.
INSTALL - FURNS - ENGINE CRANK STOWAGE
CONSOLIDATED AIRCRAFT CORP.
28F5048
SHT 1 OF 2

	LET	ALTERATION	DATE	BY
E.O. 16626A	A	(.191) DRILL SIZE WAS (.1935) [illegible]	[illegible]	[illegible]
		[illegible]		
E.O. 19402	B	[illegible] AT SIDE VIEW - SEC. A-A		
		[illegible] R WAS [illegible] R (FINISH INSIDE SURFACE)		
		[illegible] WAS .5785 [illegible]		
E.O. 21172AA	C	[illegible]		
		[illegible]		
		WAS [illegible] SECTION A-A [illegible] ADDED	11-2-40	[illegible]
PBY-5 A.V.O.	D	REMOVED 3/16 BEVEL IN SEC. A-A WHICH WAS [illegible] ON CR (C)	8-26-41	WITEK
	E	ADDED -6 MACHINED CASTING TO B/M. NO WT. CHG.	3-19-41	[illegible]
	F	IN B/M REPLACED "AL. ALLOY, 46A CL.4, & "28000 P.S.I." WITH "NOTED," TO FACE ADDED MATERIAL NOTE NO WT. CHG.	8-23-41	NOVAK



MATERIAL MAY BE:
1.- AL. ALLOY CASTING 195T4, SPEC. AN-QQ-A-390 CL.1, T.S. 28,000 P.S.I.; OR
2.- AL. ALLOY CASTING 5195T6, SPEC. AN-A-5 CL.1, T.S. 32,000 P.S.I.

NOTES:
THICKNESS OF ALL WEBS TO BE 5/32
ALL FILLET RADII TO BE MINIMUM UNLESS OTHERWISE NOTED.
ALLOW DRAFT AS REQUIRED.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CHROMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-6	28-5AMN	28F5009	1
-6	PBY-5B	28F5009	1
-6	28-5MN	28F5009	1
-6	PBY-5A	28F5009	1
-6	PBY-5	28F5009	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
-6	MACH. CASTING	[illegible]		1				
	ROUGH CASTING	NOTED	NOTED					

PARTS LIST PER ASSY.

A C		12/24/39					
NAVY NOTED	Z - P	JEWELL			9/10/40		
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

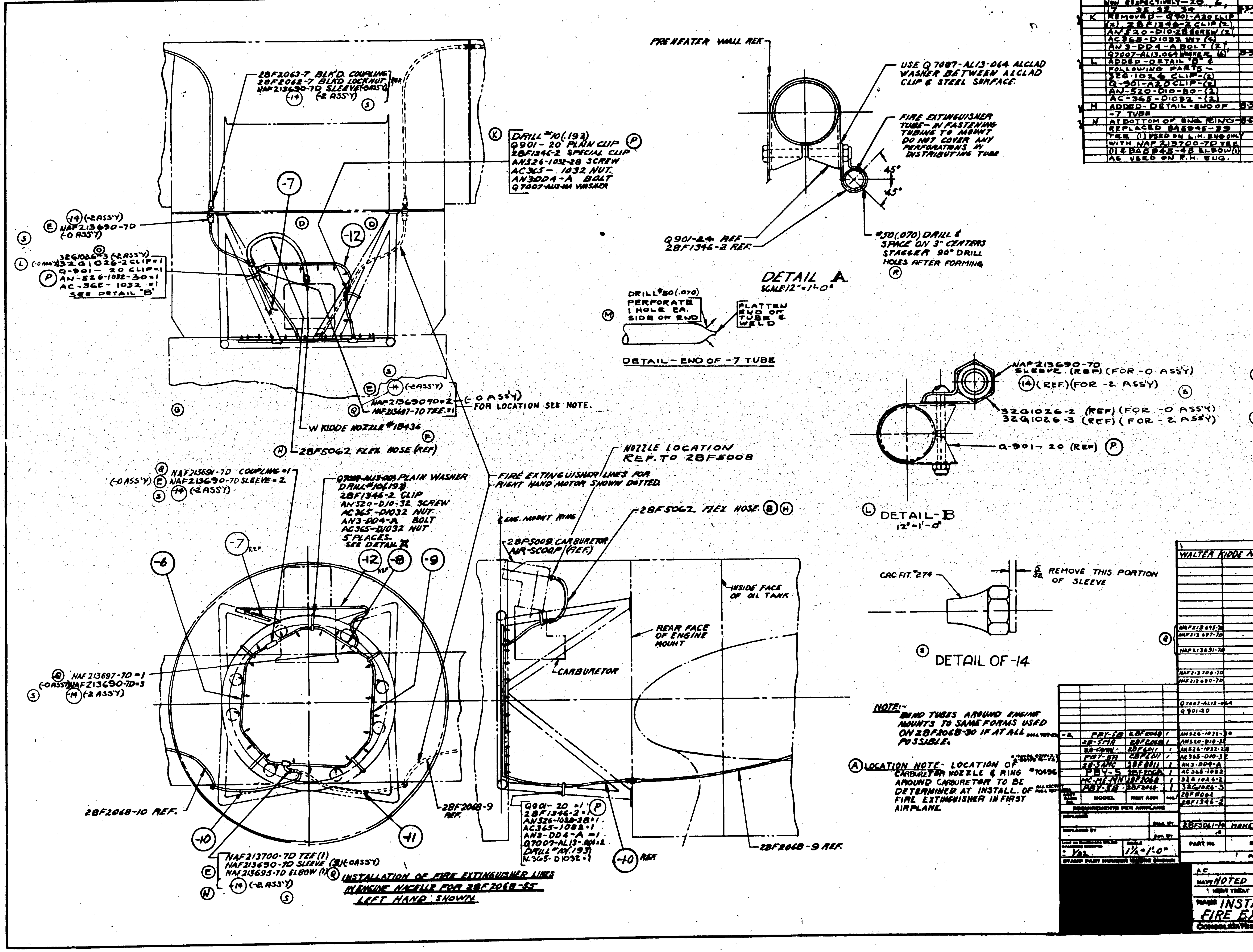
NAME OUB'D. BRKT. - FURNS. DRIFT SIGHT SUPP'T.

OPP. HAND

DWG. SIZE G — 28F5051

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F5051



NOTE: BEND TUBES AROUND ENGINE MOUNTS TO SAME FORMS USED ON 28F2068-30 IF AT ALL POSSIBLE.

(A) LOCATION NOTE - LOCATION OF CARBURETOR NOZZLE & RING AROUND CARBURETOR TO BE DETERMINED AT INSTALL. OF FIRE EXTINGUISHER IN FIRST AIRPLANE.

LET	ALTERATION	DATE	BY
	NOW RESPECTIVELY - 28, 6, 17, 35, 32, 34	8-3-40	
K	REMOVED - Q901-A20 CLIP (2), 28F1346-2 CLIP (2), AN520-D10-28 SCREW (2), AC365-D1032 NUT (4), AN3-DD4-A BOLT (2), Q7007-AL13.064 WASHER (6)	8-3-40	
L	ADDED - DETAIL "B" & FOLLOWING PARTS - 32G-1026 CLIP-(2), Q-901-A20 CLIP-(2), AN-520-D10-30-(2), AC-365-D1032-(2)		
M	ADDED - DETAIL - END OF -7 TUBE	8-3-40	
N	AT BOTTOM OF ENG. RING - REPLACED BA5945-39 TEE (1) USED ON L.H. ENG ONLY WITH NAF213700-7D TEE (1) & BA5945-48 ELBOW (1) AS USED ON R.H. ENG.	8-5-40	
A	ADDED LOCATION NOTE		
B	28F1351-2 HOSES WERE 28F2062 AS PER E.O. 17255		
C	CHANGE LGTH OF -7 TO 17½ IN B/M. ADD -12 TO REPLACE PART OF -7. 22½ LONG - AS PER. E.O. 30707	8-3-40	
D	ASSIGN -12 (2 REQ) - REMOVE "(REF)" FROM -7 IN PLAN VIEW AS PER E.O. 21563	8-3-40	
E	REMOVE ALL - BA-5945-37 SLEEVES - REPLACE WITH NAF213690-7D SLEEVES AS PER E.O. 19738 A	8-3-40	
F	REMOVED NAF213711-7D 45° ELBOW (2 REQ) AT AIR SCOOP	8-3-40	
G	REMOVED "WALTER KIDDE PLUG ASSY #17296 (2 REQ)"	8-3-40	
H	CHANGED 28F1351-2 FLEX HOSE TO 28F5062 HOSE	8-3-40	
J	TUBE LENGTHS WERE - (-6)-32 (-7)-17½ (-8)-12 (-9)-36 (-10)-30 (-11)-35		
O	32G1026-2 WAS 32G1026	11-1-40	
P	Q901-20 WAS Q901-A20; AN526-1032-30 WAS AN520-D-10-30; AN526-1032-28 WAS AN520-D-10-28; AC-365-D-1032 WAS AC-365-D-1032; 24 REQ AC365-D1032 WAS 30 REQ. CHANGED ON B/M & FACE	4-8-41	
Q	NAF213691-7D WAS BA5885-35; NAF213697-7D WAS BA5945-39; NAF213695-7D WAS BA5945-65. CHANGED ON FACE & B/M	6-13-41	
R	ADDED NOTE "DRILL HOLES AFTER FORMING." NO WT. CHG.		
S	ADDED -2 ASS'Y & -14 NO WT CHG		

TUBING B.M. (J)
SPEC. 44-T-32 COND.-A- ALLOY 52 SO

PART	TYPE & SIZE	LENGTH	-0
-6	7/16 O.D. x .042 PERF.	28	2
-7	7/16 O.D. x .042 PERF.	6	2
-8	7/16 O.D. x .042 PERF.	17	2
-9	7/16 O.D. x .042 PERF.	35	2
-10	7/16 O.D. x .042 PLAIN	32	1
-11	7/16 O.D. x .042 PLAIN	34	1
-12	7/16 O.D. x .042 PERF.	29	2

DASH NO.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5B	28F2068	1
	28-5MA	28F2068	1
	28-5AMA	28F6011	1
	PBY-5A	28F6011	1
	28-5AMC	28F6011	1
	PBY-5	28F2068	1
	MC-ME-MN	28F2068	1
	PBY-5B	28F2068	1

REQUIREMENTS PER AIRPLANE

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
WALTER KIDDE NOZZLE #18436				2	2			
NAF213695-7D				2	2			
NAF213697-7D				4	4			
NAF213691-7D				2	2			
NAF213700-7D				2	2			
NAF213690-7D				22				
Q7007-AL13-064				36	36			
Q901-20				6	6			
AN526-1032-30				2	2			
AN520-D10-32				10	10			
AN526-1032-28				4	4			
AC365-D10-32				24	24			
AN3-DD4-A				14	14			
AC365-1032				6	6			
32G1026-2				2				
32G1026-3					8			
28F5062				2	2			
28F1346-2				14	14			
28F5061-14	MAKE FROM CRC FIT. #274				32			

PARTS LIST PER ASSY.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 1½"=1'-0"

STAMP PART NUMBER WHERE SHOWN

AC — NAVY NOTED — HEAT TREAT

NOTED — FINISH

DRAFT — CHECK — STRUCT. — MAT. — APPROV. — ENG.

OPP. HAND

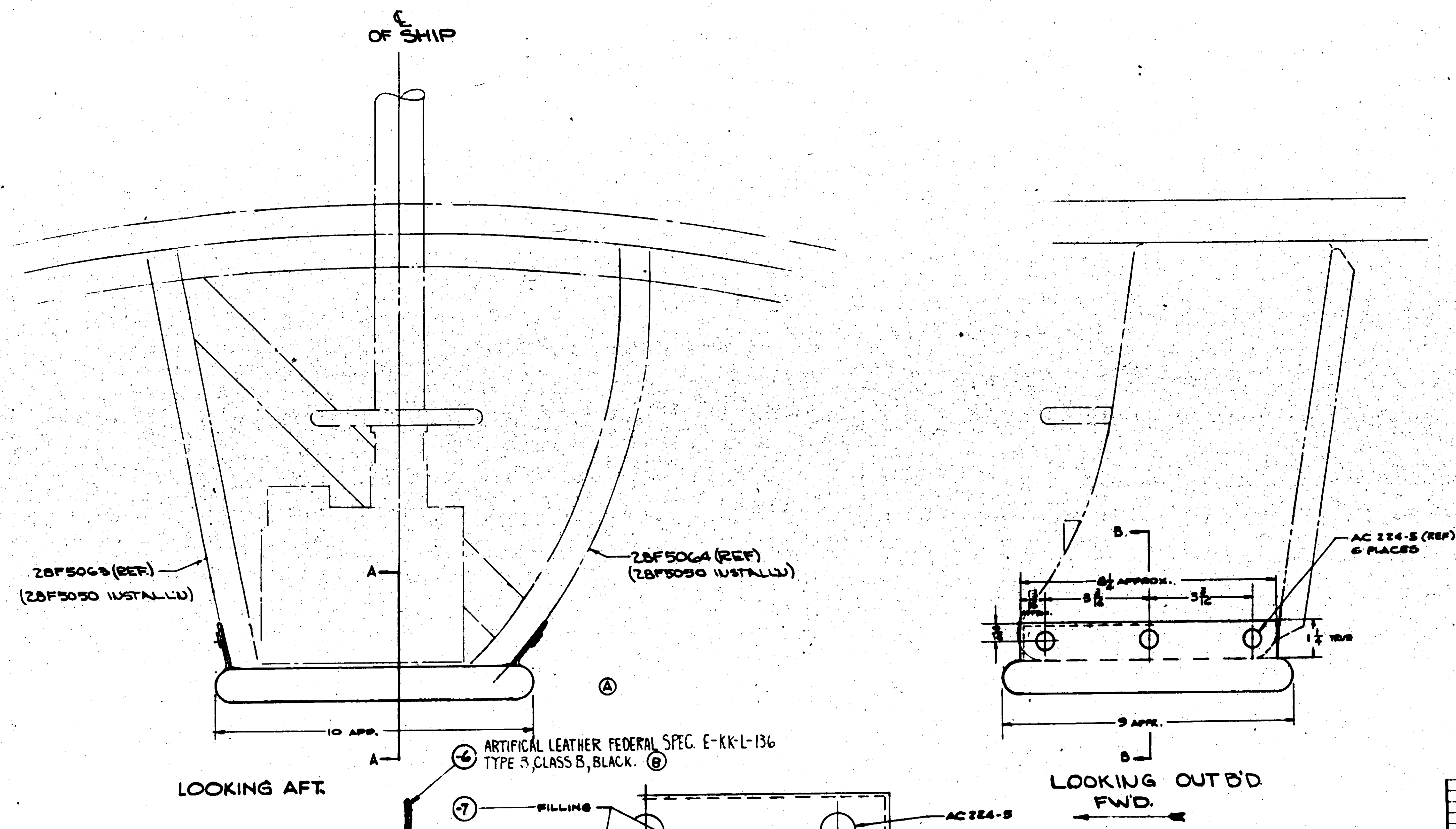
NAME INSTAL.-FURNS-NACELLE FIRE EXTINGUISHER LINES

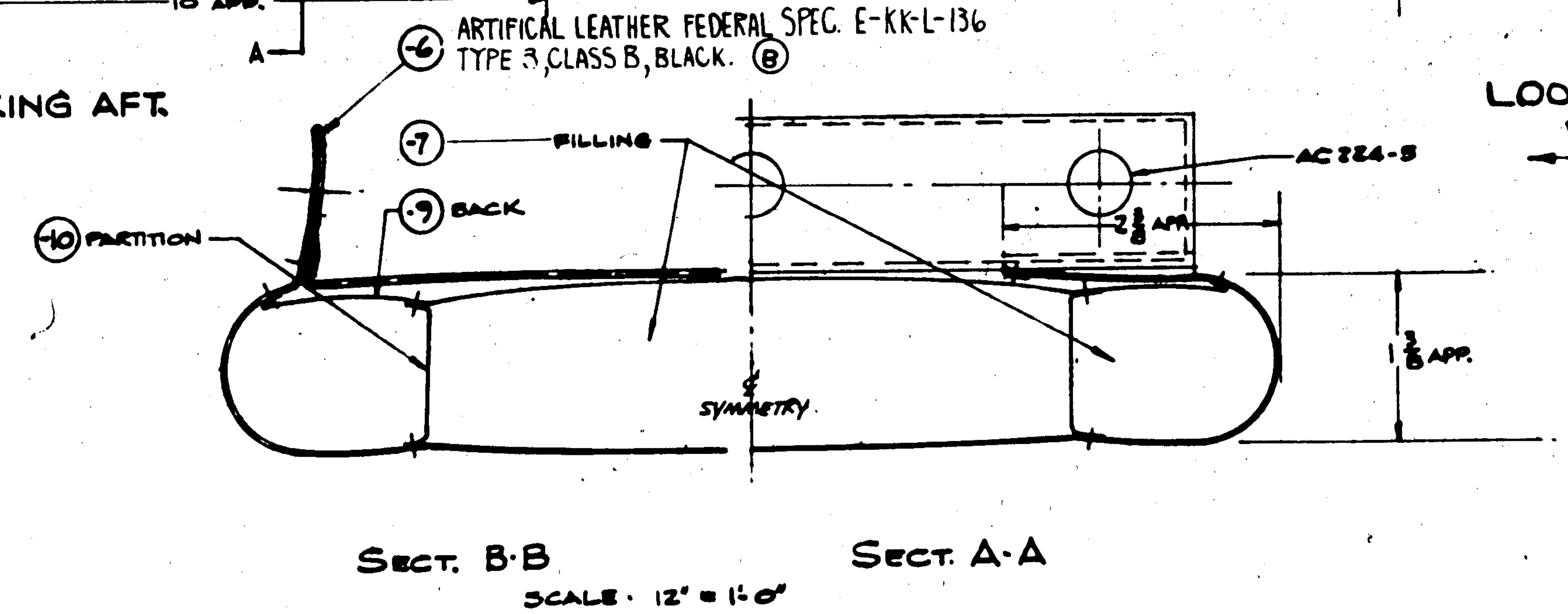
DWG. G 28F5061

CONSOLIDATED AIRCRAFT CORP.

LET	ALTERATION	DATE	BY
A	REMOVED Q8746-K1 (4), AC224-5 (4) AND -8 (2) REVISED -6 AND ADDED -9 AND -10.		
B	ADDED NOTE TO DWG "ARTIFICIAL ... BLACK" REMOVED "BLACK LEATHERETTE COVER MAKE FROM ONE PIECE" FROM DWG FOR -6. WT. CHG. NEG. ADDED STOCK SIZE & MATERIAL FOR -9 & -10.	10-13-42	M. HOU
C	IN B/M, FOR -7, REPLACED "1/4 LB. KAPOK, 27K1" WITH "NOTED" FROM FACE, FOR -7, REMOVED "KAPOK". ADDED NOTE #2. NO WT. CHG.	2-29-44	

PBY-5





SECT. B-B SECT. A-A

SCALE · 12" = 1'-0"

NOTES-
1. MACHINE STITCH WITH COTTON THREAD, SPEC. V-T-276
Ⓒ 2. MAT'L. FOR -7 MAY BE-
(A) S.A.E. F-13, FELT, SPEC. AN-F-14, TYPE F-13, OR
(B) KAPOK SALVAGED FROM SCRAP.

MODEL	NEXT ASSY	NO.
PBY-5A	28F5050	1
PBY-5	28F5050	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT

REPLACED BY — ACT. WT

SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ. -0
AC224-5				6
-10	1 1/2 X 24	C.A.C. FAB 29		1
-9	11 X 11	C.A.C. FAB 29		1
-7	NOTED	NOTED	NOTED	1
28F5069-6	16 X 18	NOTED	NOTED	1

PARTS LIST PER ASSY.

A C

NAVY None — HEAT TREAT | None — FINISH

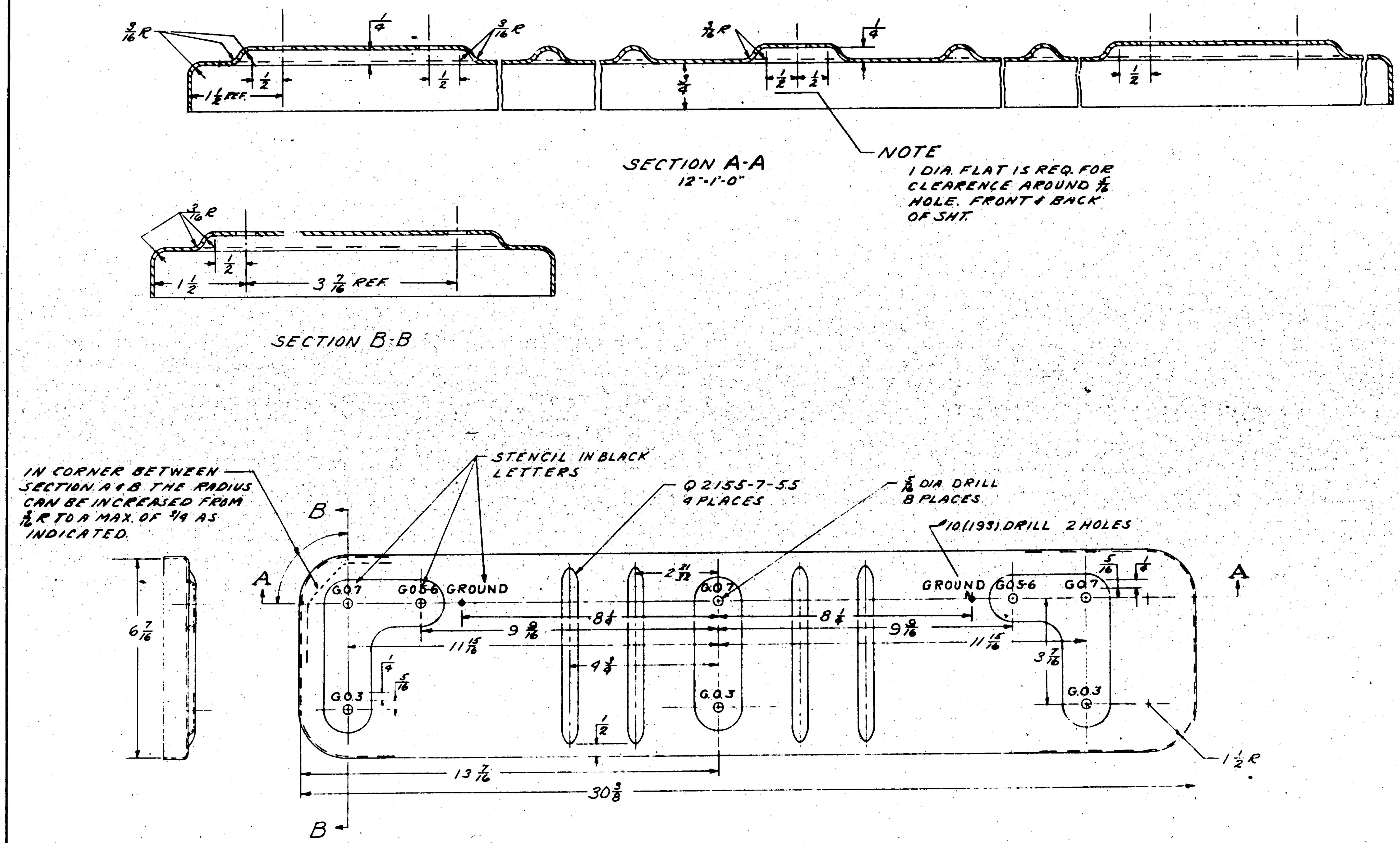
DRAFT 6-9-40 | CHECK | STRUCT | MAT | APPROV | ENG

NAME PAD - FURNS - DW LOOP COUPLER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F5069

28F5069



FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY	NO.
	PBY-5A	28F5080	1
	PBY-5	28F5080	

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 6"=1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.051 X 19 X 38	AL. ALLOY	17A10 COND. A	1				

PARTS LIST PER ASSY.

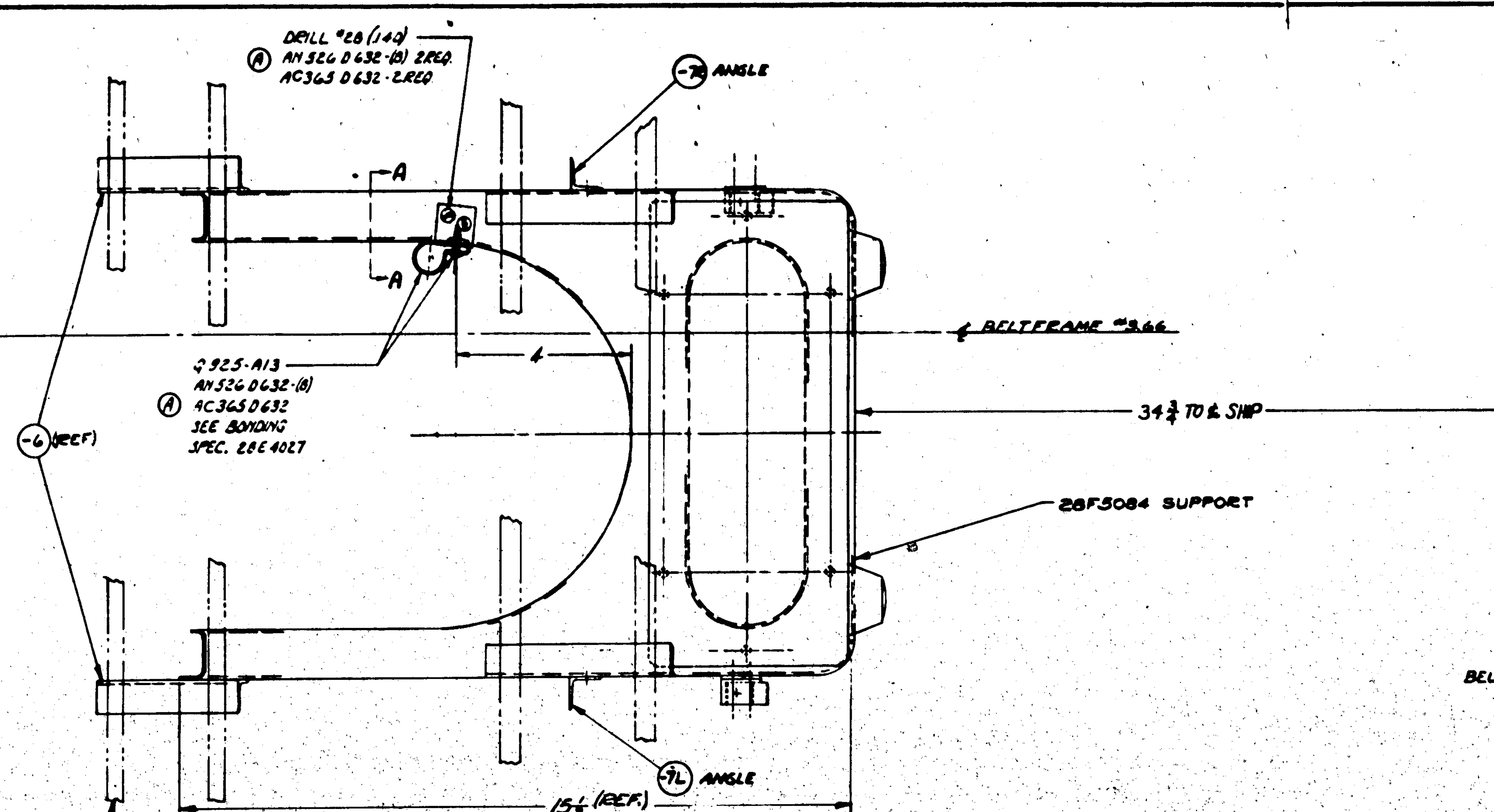
A C							
NAVY SR-33 COND. T	Z-P-AP	2-21-40					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

NAME SUPPORT - FURN - GO 3,5,6 & 7 TRANSMITTER - MOUNTING

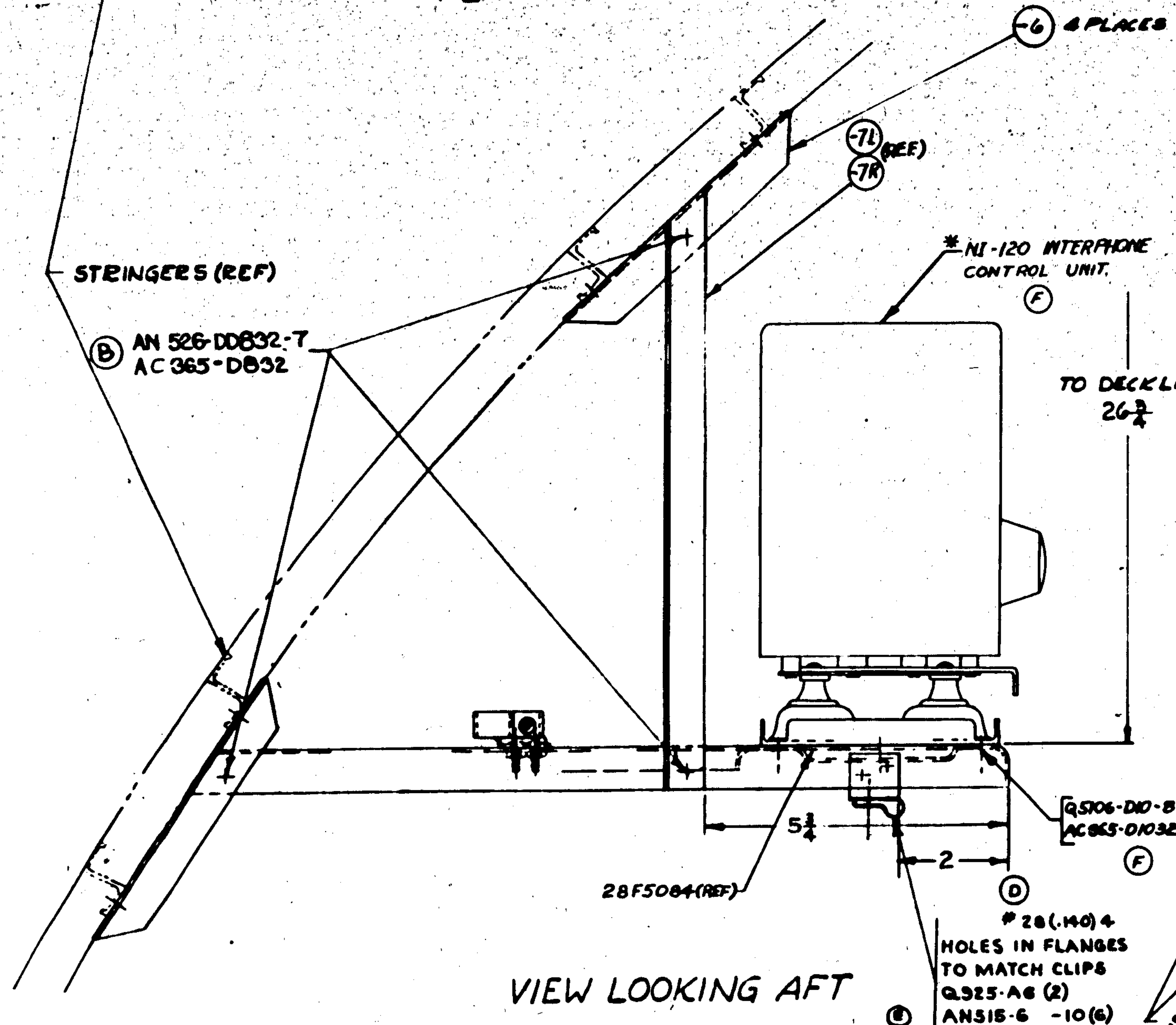
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

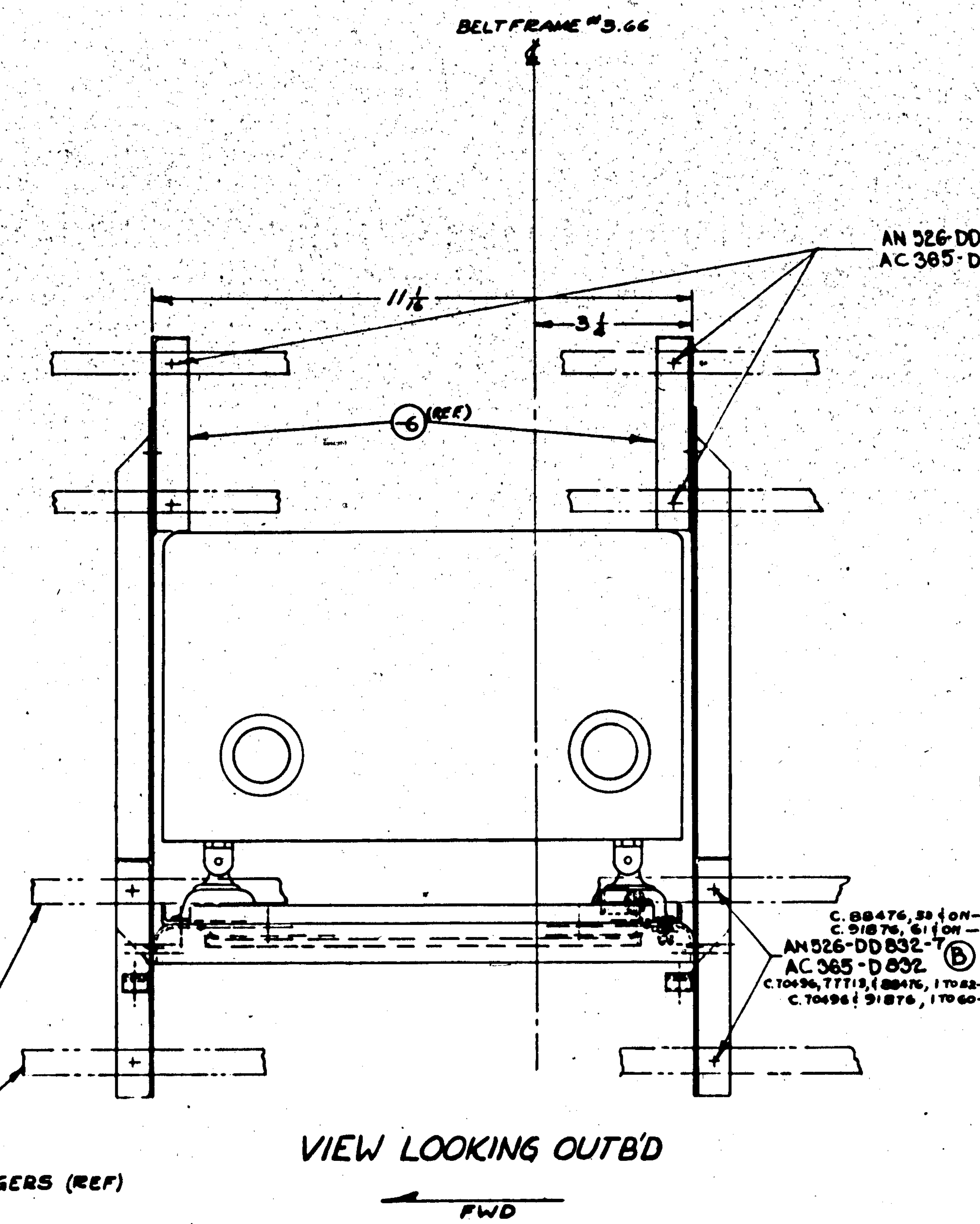
DWG. SIZE G — 28F5081



PLAN VIEW



VIEW LOOKING AFT



VIEW LOOKING OUTB'D

EO 29005
PBY-5A E.O. 39361
OA-10
PBY-5, PBY-5A, OA-10 E.O. A3286
E.O. A14019

NOTES-

1- TRIM OUTSTANDING FLANGES 45°.
2- MAT'L. FOR -6 MAY BE-
(H) (A) Y-2-A27T X 5 7/8, OR
(B) K5401 X 5 7/8, AL. AL. EXTR., SPEC. QQ-A-354-T E.O. #A30936
3- MAT'L. FOR -7L/R MAY BE-
(A) Y-2-A27T X 11 1/2, OR
(B) K5401 X 11 1/2, AL. AL. EXTR., SPEC. QQ-A-354-T.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED - CLIP, SCREW & NUT			H (cont.)	E.B. WITH "NOTED" FOR -7L/R, REPLACED "Y-2-A27T X 11 1/2" WITH "NOTED". ADDED NOTES # 2 & #3 MAN'S CHG		
B	ADDED AN526-DD832-7 (M) AN 365-D832 (M) B/M & DWG. TO REPLACE A442-D4						
C.1	ADDED 34 3/4 DIM.	5-9-41	SHLS				
D	ADDED TO FACE OF DWG & B/M Q925-A6 (2) AN515-632-10 (6) AC365-632 (6) NEG. WT. CHG.						
E	CHANGED ON FACE OF DWG & B/M - AN515-6-10 (6) WAS AN515-632-10 (6).						
F	ADDED MI-120 (1) Q5106-D10-8 (6) AC365-D1032 (6) & NOTE "* DENOTES --- EQUIPMENT." (WT. CHG. + 10.2#)	5-6-42					
G	IN B/M, FOR -6, REPLACED "K5401 X 5 7/8, AL. AL. 24ST, 46A9-T" WITH "Y-2-A27T X 5 7/8". & FOR -7L & -7R, REPLACED "K5401 X 11 1/2, AL. AL. 24ST 46A9-T" WITH "Y-2-A27T X 11 1/2". BROT. RELEASES UP TO DATE. WT. CHG. NEG.	6-7-43					
H	IN B/M, FOR -6, REPLACED "Y-2-A27T X						

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

* DENOTES GOV'T FURN. EQUIPMENT

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
Q925-A13				1
AN526 D632-8				3
AC365 D632				3
AN526-DD832-7 (B)				14
AC365 D832 (B)				14
Q925-A6 (E)				2
AN515-6 -10				6
AC365-632				6
AC365 D1032				6
Q5106-D10-8				6
* MI-120	INTERPHONE CONTROL UNIT			1
28F5084				1
-7R	NOTED	NOTED	NOTED	1
-7L	NOTED	NOTED	NOTED	1
-6	NOTED	NOTED	NOTED	4

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F6002	1
	PBY-5	28F1002	1
	PBY-5A	28F5085	1
	PBY-5	28F5085	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32
SCALE: 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN

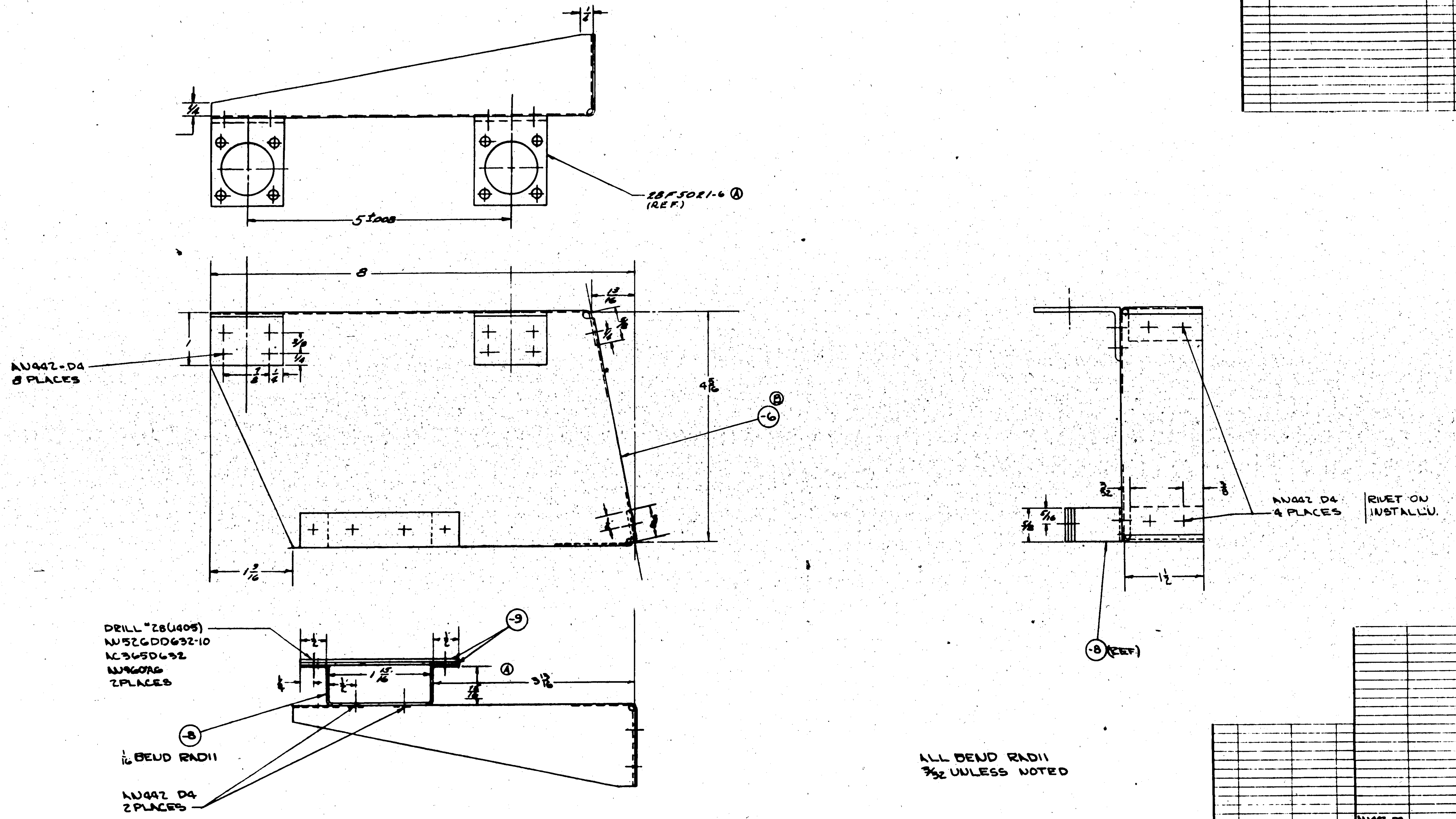
AC
NAVY
HEAT TREAT
FINISH: EPAP
DRAFT: 5-18-40 — CHECK: JLN — STRUCT — MAT — APPROV — ENG.
OPP. HAND

NAME: SUPPORT INSTALL - FURN'S - RL-24A INTERPHONE AMPLIFIER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F5083

28F5083



LET	ALTERATION	DATE	BY
A	-6 REVISED & MATL. CHGD (WAS .051)		
	REMOVED -7	"	"
	ADDED 28F5021	"	"
	3/16 ON -8 WAS 1/16	"	"
B	MATL. -6 WAS ST	11-12	
C	ADDED -6 TO 28F5021. NO WT. CH.	6-23-41	

FINISH CODE
- Z ANODIC TREATMENT
- P P-27 PRIMER
- AP ALUMINIZED PRIMER
- C CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F5050	1
	PBY-5	28F5030	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	REQ. -0
AN442 D4				
AN960A6				2
AN526DD632-10				2
AC365D632				2
28F5021-6				2
-9	3/32 x 7/8 x 3		11-11	2
-8	.040 x 7/8 x 6			1
28F5108	.040 x 12 x 10			1

PARTS LIST PER ASSY.

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

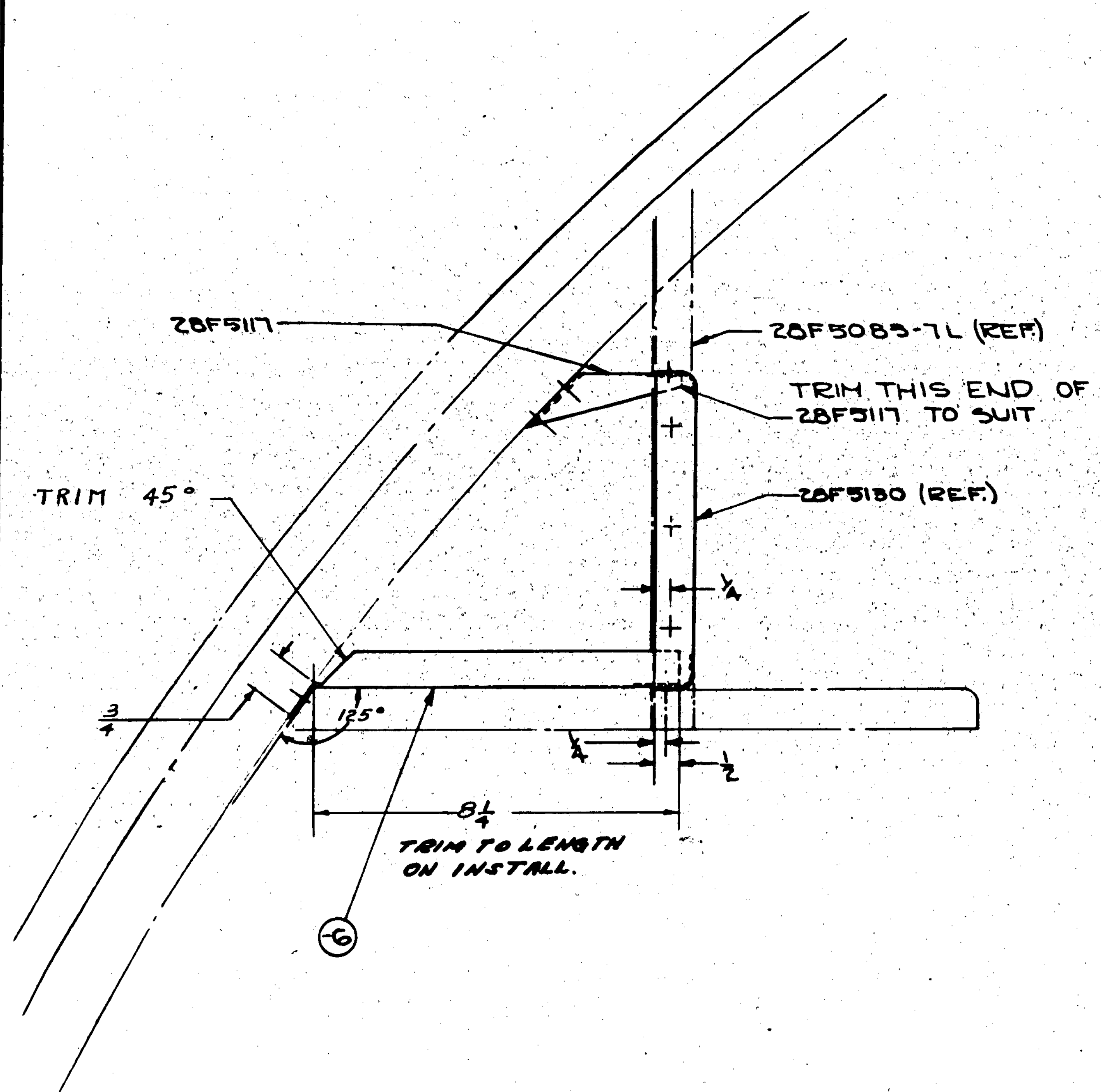
A C
NAVY None — HEAT TREAT
Z-P-A-P — FINISH
DRAFT / CHECK / STRUCT / MAT / APPROV / ENG
OPP. HAND

NAME SUPPORT-FURNS-LOOP OUTPUT METER SHOCK MOUNT

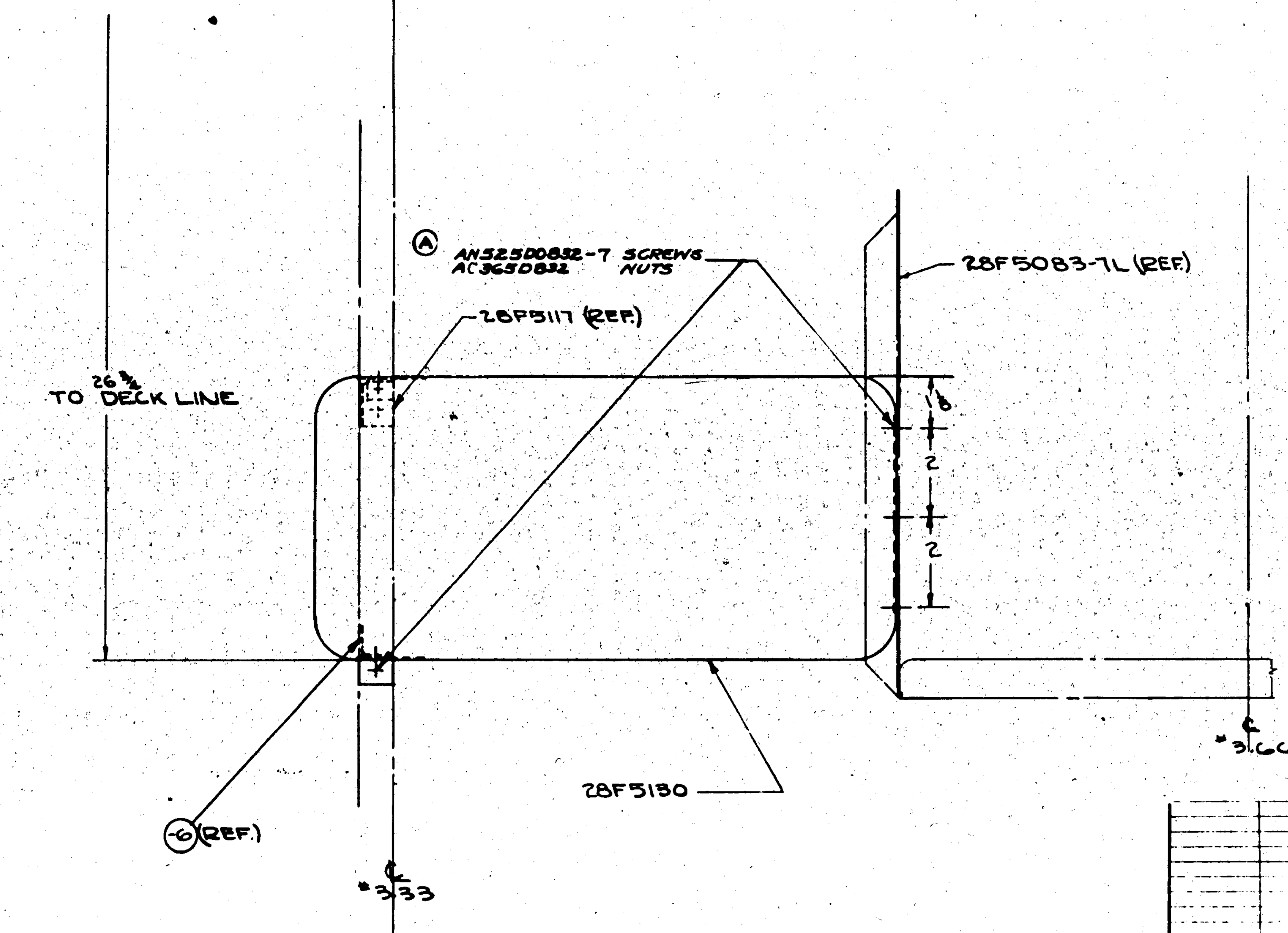
G 28F5108

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

LET	ALTERATION	DATE	BY
A	REPLACED [illegible] WITH AN525D0832-7 & AN365D832 ON FACE OF DWG. & B/M.	5-10-41	SMOOT
B	IN B/M, FOR -6, REPLACED "K5401 X 9½, AL ALLOY 24ST, 46 A8 COND. T" WITH "Y-2-A28T X 9½" WT CHG. NEG.	8-7-43	[illegible]
C	IN B/M FOR -6 REPLACED "Y-2-A28T X 9½"; MAT & SPEC. WITH "NOTED" ON FACE ADDED MAT. NOTE (NO WT CHG)	10-22-43	CRAIG



VIEW LOOKING AFT
STARB'D. SIDE
BELFRM. #3.33



VIEW LOOKING OUTB'D.

FWD.

NOTE:
1-MATERIAL FOR -6 MAY BE:
(A) Y-2-A28T X 9½, OR
(B) K5401 X 9½, AL AL EXT, SPEC-QQ-A-354-T.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY	REQ
	PBY-5A	28F6002	1
	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/16 — SCALE: 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

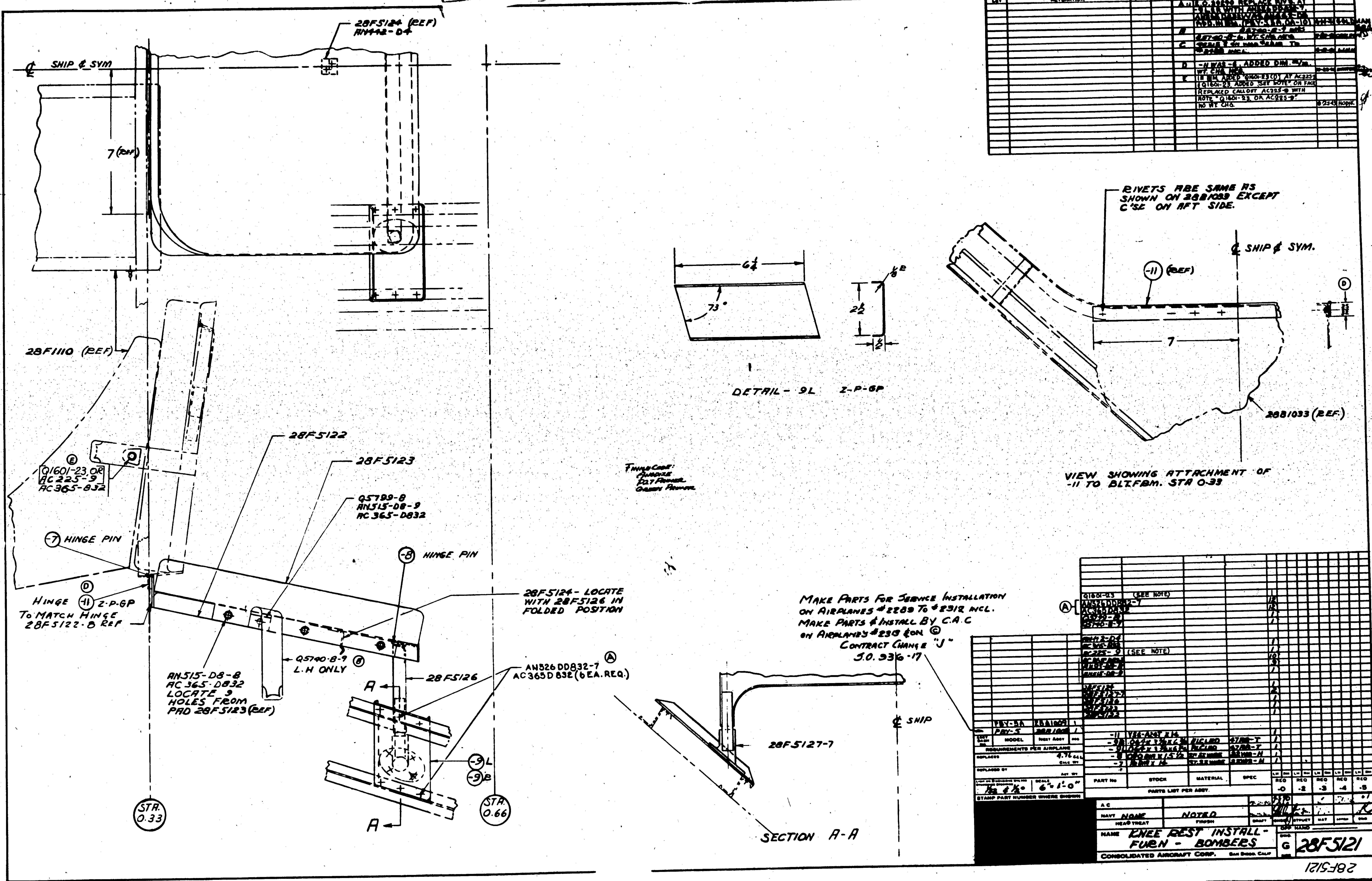
PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN525D0832-7	SCREWS			8				
AC365D832	NUTS			8				
28F5117				1				
28F5130				1				
-6	NOTED	NOTED	NOTED	1				

PARTS LIST PER ASSY.

A C
NAVY NONE — HEAT TREAT
Z-P-AP — FINISH
DRAFT: P. DALE 7-12-40 — CHECK — STRUCT — MAT — APPR. — ENG

NAME INSTALL-F-ANTENNA SWITCHING & CLOCK PANEL
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP HAND
DWG SIZE G — 28F5120

28F5120



LET	ALTERATION	DATE	BY
A	E.O. 30830 REPLACE RIVS. AT -9L (R) WITH AN526DD832-7, AN365D832 WAS AN455-D8 ADD. 1N BM. (PBY-5A, OA-10)		GOLDMAN
B	Q5740-8-9 WAS Q5740-8-6. WT. CHG. NEG.		
C	... TO ... INCL.		
D	-11 WAS -6. ADDED DIM. WT. CHG. NEG.		
E	IN BM. ADDED "Q1601-23(1)" AT AC225-9 (Q1601-23) ADDED "SEE NOTE" ON FACE. REPLACED CALLOUT AC225-9 WITH NOTE "Q1601-23, OR AC225-9". NO WT. CHG.		HODIK

PART No	STOCK	MATERIAL	SPEC	REQ -0
Q1601-23	(SEE NOTE)			1
AN526DD832-7 (A)				12
AC365D832 (A)				12
Q5799-8				1
Q5740-8-9				1
AN442-D4				1
AC365-832				1
AC225-9	(SEE NOTE)			1
[illegible]				10
[illegible]				9
AN515-D8-9				1
28F5124				1
28F5127-7				2
28F5126				1
28F5123				1
28F5122				1
-11	YSS-A247 X 14			1
-9R	.064 x 3 3/4 x 6 3/4	ALCLAD	47188-T	1
-9L	.064 x 3 3/4 x 6 3/4	ALCLAD	47188-T	1
-8	.250 DIA x 15 1/2	ST. ST. WIRE	[illegible]-H	1
-7	DIA x 16	ST. ST. WIRE	[illegible]-H	1

PARTS LIST PER ASSY.

MODEL	NEXT ASSY	REQ
PBY-5A	28A1009	1
PBY-5	28B1009	1

REQUIREMENTS PER AIRPLANE

REPLACES — 4.76 GAL — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS: 1/32 & 1/2° — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT

NOTED — FINISH

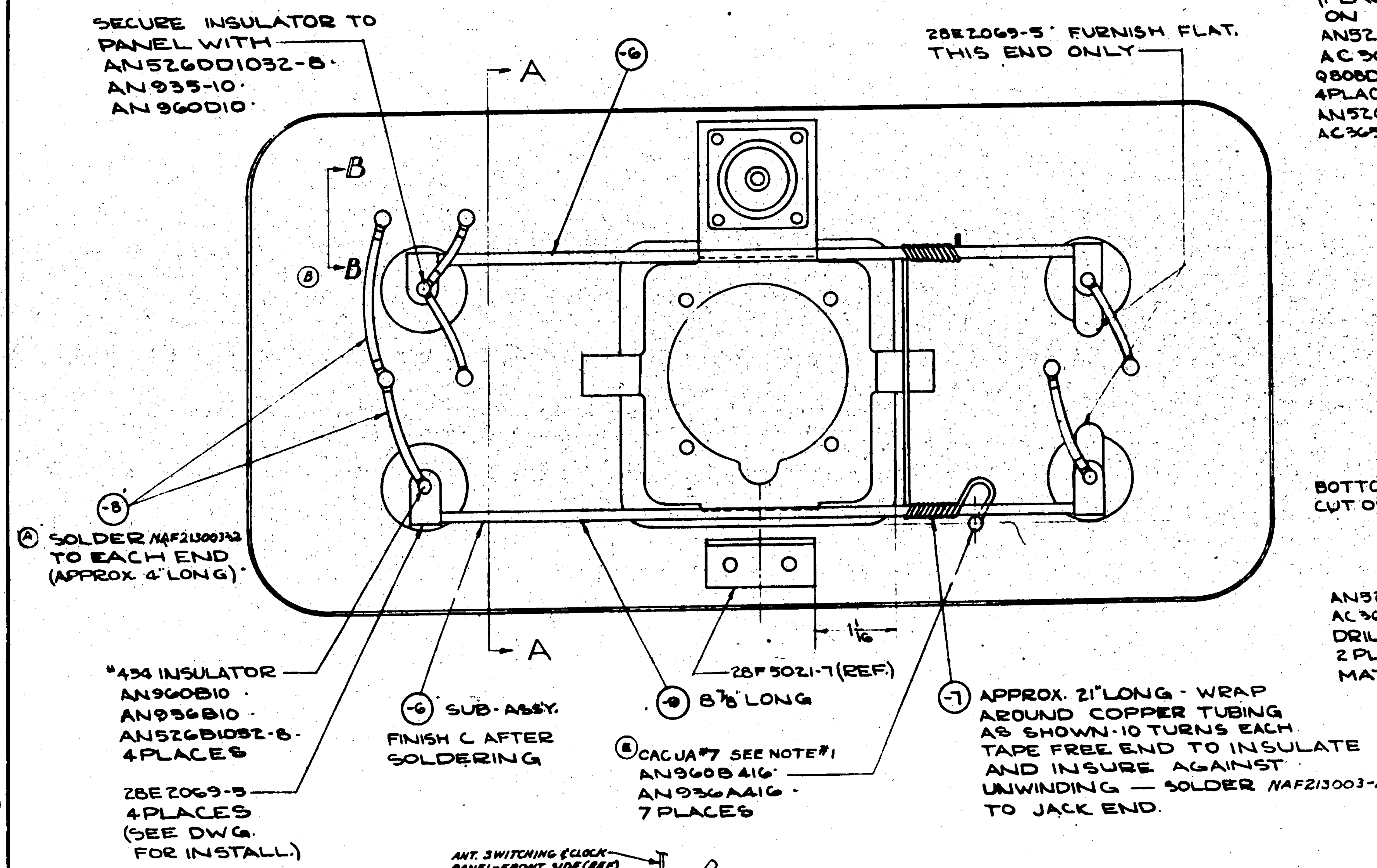
NAME KNEE REST INSTALL- FWD - BOMBERS

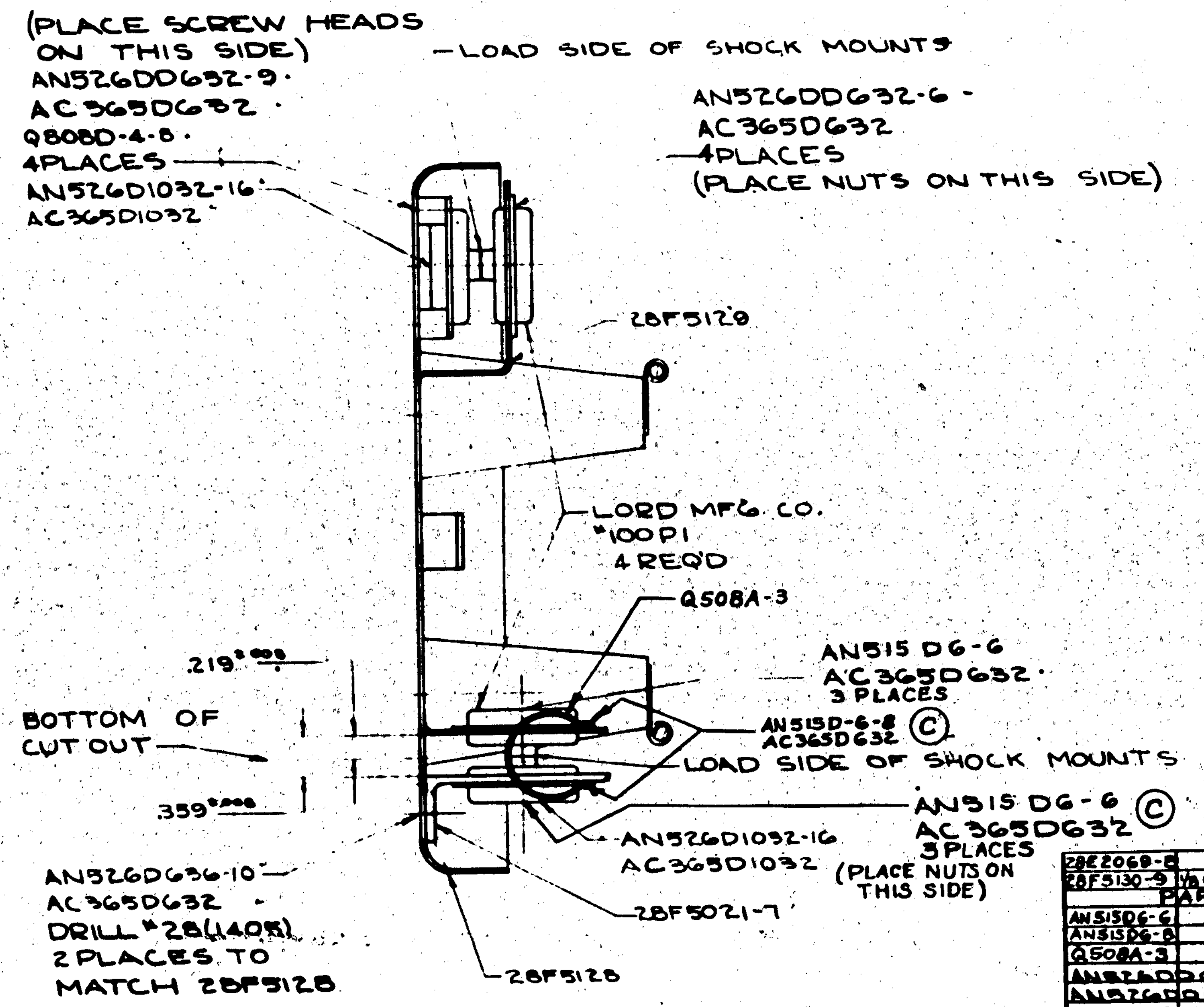
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

G 28F5121

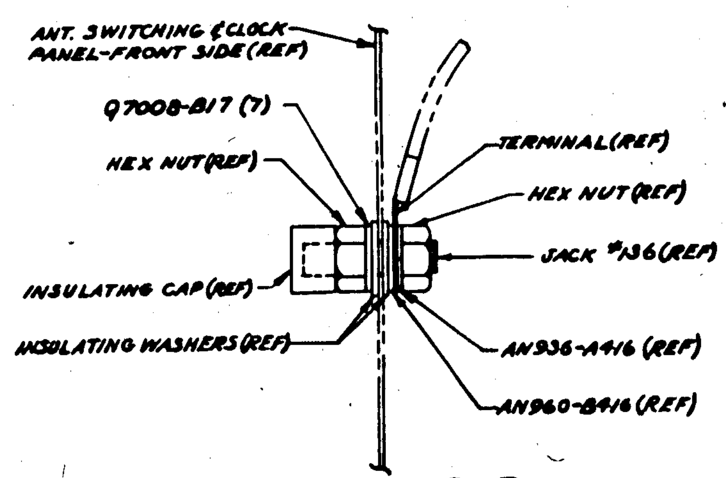
28F5121

LET	ALTERATION	DATE	BY
A.	NAF 213003-2 WAS Q6[illegible]	[illegible]	[illegible]
	ON FACE [illegible]		
B	ADDED Q7008-B17(7) & SECT. B-B	[illegible]	[illegible]
C	ON FACE OF DWG. IN SECT "A-A" AN[illegible]		
	AC365D632 (3 PLACES) WAS AN[illegible]		
	[illegible]		
	AN526DD632-6 (4) WAS (12).		
	ON FACE OF DWG. [illegible] ADDED [illegible]		
	(1), AN515D6-8 (2) & AN515D6-6 (6)		
	WT. CHG. NEG.	[illegible]	[illegible]
D	ADDED WTS. & AIRPLANE REQ.	[illegible]	[illegible]
E	"CAC.JA #7" (7) WAS "JACK #136" (5)		
	AN960B416 (7) WAS (5) & AN936A416 (7)		
	WAS (5). WT. CHG. NEG.	9-8-45	WELCH





SECTION "A-A"



SECTION B-B
(TYPICAL SECTION OF JACK)
Ⓑ

Ⓔ —NOTES—

1. MAY BE PURCHASED FROM AMERICAN RADIO HDWR CO. NEW YORK CITY - JACKS TO BE PURCHASED WITH 2 NUTS EACH. BLACK INSULATION

AS PURCHASED FROM ISOLANTITE INC. - BELLEVILLE, NEW JERSEY OR EQUIV.

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
(ALL)	PBY-5A	28F5120	1
(ALL)	PBY-5	28F5120	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.23# CALC WT

REPLACED BY — ACT WT

SCALE 12" = 1'-0" — 1/64

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC	REQ -0
28E2069-8				2
28F5130-9	1/2 O.D. X .032 X 9	COPPER TUBE	[illegible]	1
	PARTS ASSEM. ON -6			
AN515D6-6				6
AN515D6-8				2
Q508A-3				1
AN526DD632-10				2
AN526DD632-6				4
AC365D1032				7
AN526D1032-16				7
Q808D-4-8				4
AC365D632				10
AN526DD632-9				4
28E2069-5				7
AN936A416				7
AN960B416				7
PLUG #[illegible]				3
CAC JA #7	AM. RADIO HDW CO. #136			7
AN526B1032-8				4
AN936B10				4
AN960B10				A
ISOLANTITE #434				4
Q7008-B17-.016				7
LORD SHOCK MOUNT #100P-1				A
NAF213003-2				13
AN960D10				A
AN935-10				A
AN526DD1032-8				A
28F5129				1
28F5128				1
28F5021-7				1
-8	3/16 [illegible]	[illegible]	[illegible]	6
	X 21 LONG			
-7	[illegible] #20	[illegible]		1
28F5130-6	SUB ASSY.			2

PARTS LIST PER ASSY.

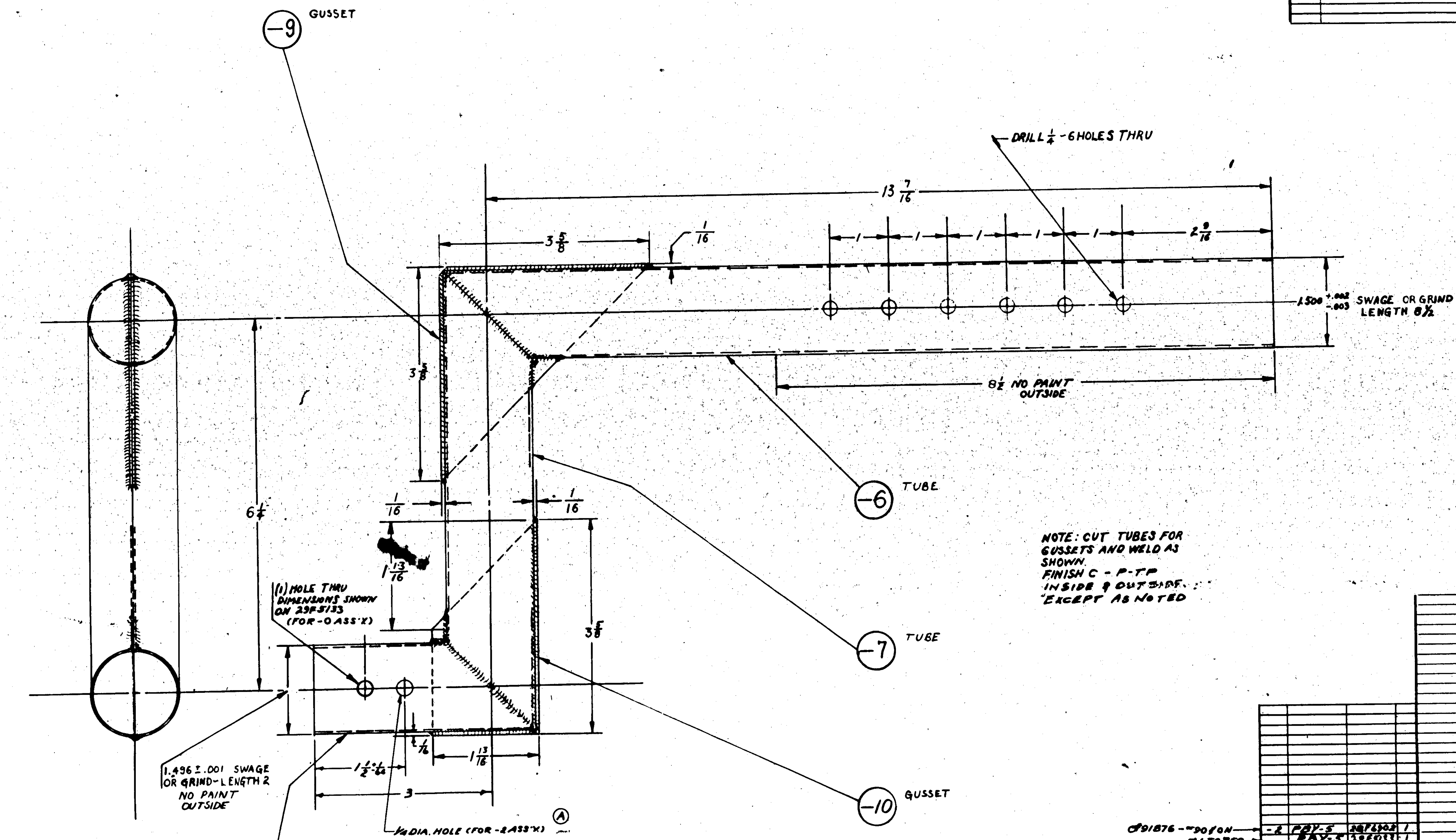
AC		7-11-40					
NAVY NONE HEAT TREAT	TOUCH UP FINISH	P.D. DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME ASSY.-F-ANT SWITCHING & CLOCK PANEL — OPP. HAND — DWG. G 28F5130

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F5130.

LET	ALTERATION	DATE	BY
A	ADDED -2ASS'Y & DIM. 1½ ± 1/64 & ¼ DIA. HOLE FOR -2ASS'Y -[illegible]		ECA 56368
B	ADDED NOTE: "ALTERNATE --- COND N." WT. CHG. NEG.	10-13-42	[illegible]



NOTE: CUT TUBES FOR GUSSETS AND WELD AS SHOWN.
FINISH C - P-TP INSIDE & OUTSIDE EXCEPT AS NOTED

⌀91876 - #90 & ON → -2 | PBY-5 | 28F6902 | 1
#1 TO #50 → | PBY-5 | 28F5133 | 1

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-2	PBY-5	28F6902	1
	PBY-5	28F5133	1

REQUIREMENTS PER AIRPLANE

TO BE REPLACED BY 28F5142 ASSM'Y WHEN FORGING 28F5143 IS AVAILABLE.

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
-10	.063 x 2 x 3¼	C.M. STL. SHT	47514	1	1			
-9	.063 x 3¼ x 3¼	"	"	1	1			
* -8	1½ O.D. x .065 x 4	C.M. STL. TUBE	44T18	1	1			
* -7	1½ OD x .065 x 8½	"	"	1	1			
* -6	1½ OD x .065 x 14½	"	"	1	1			

PARTS LIST PER ASSY.

TOLERANCE ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32 — SCALE: 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

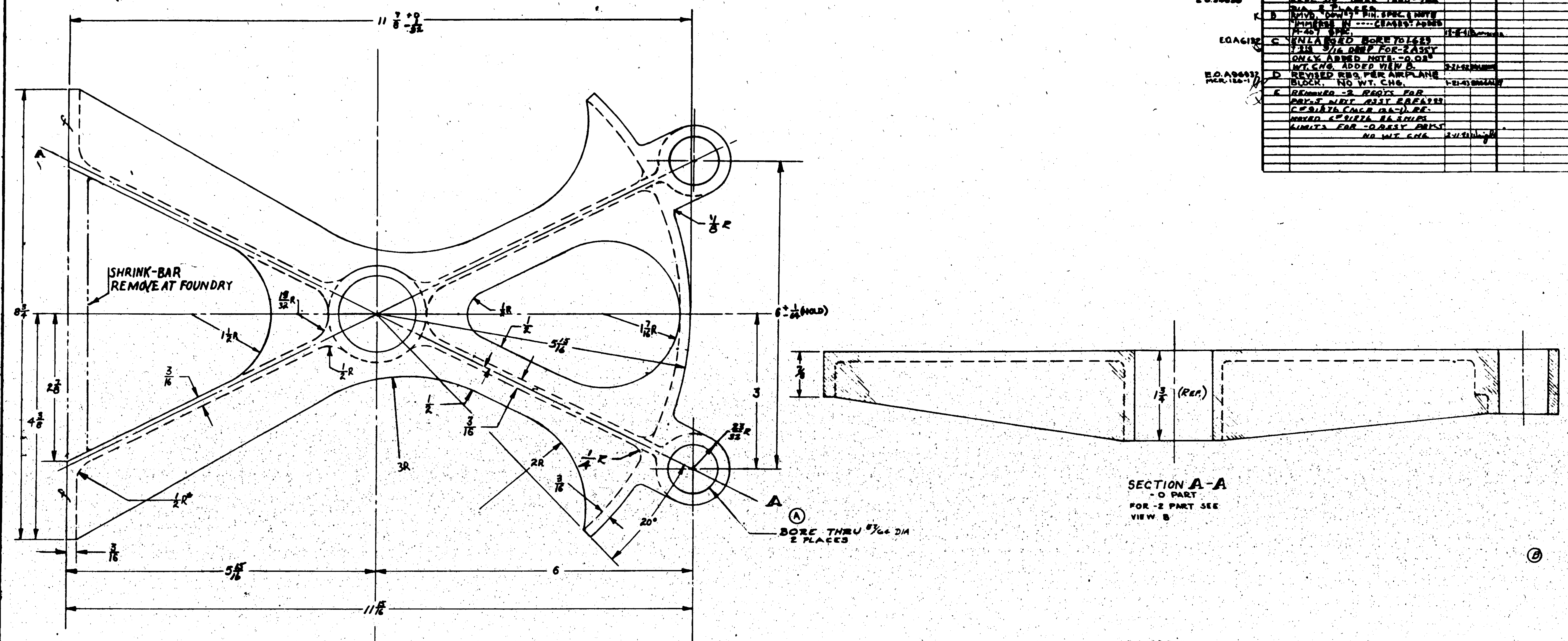
* NOTE —
Ⓑ ALTERNATE MATERIALS FOR -6, -7 & -8:
CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N.
CHROME-MOLY SEAMLESS TUBING, AN-WW-T-850, COND. N.

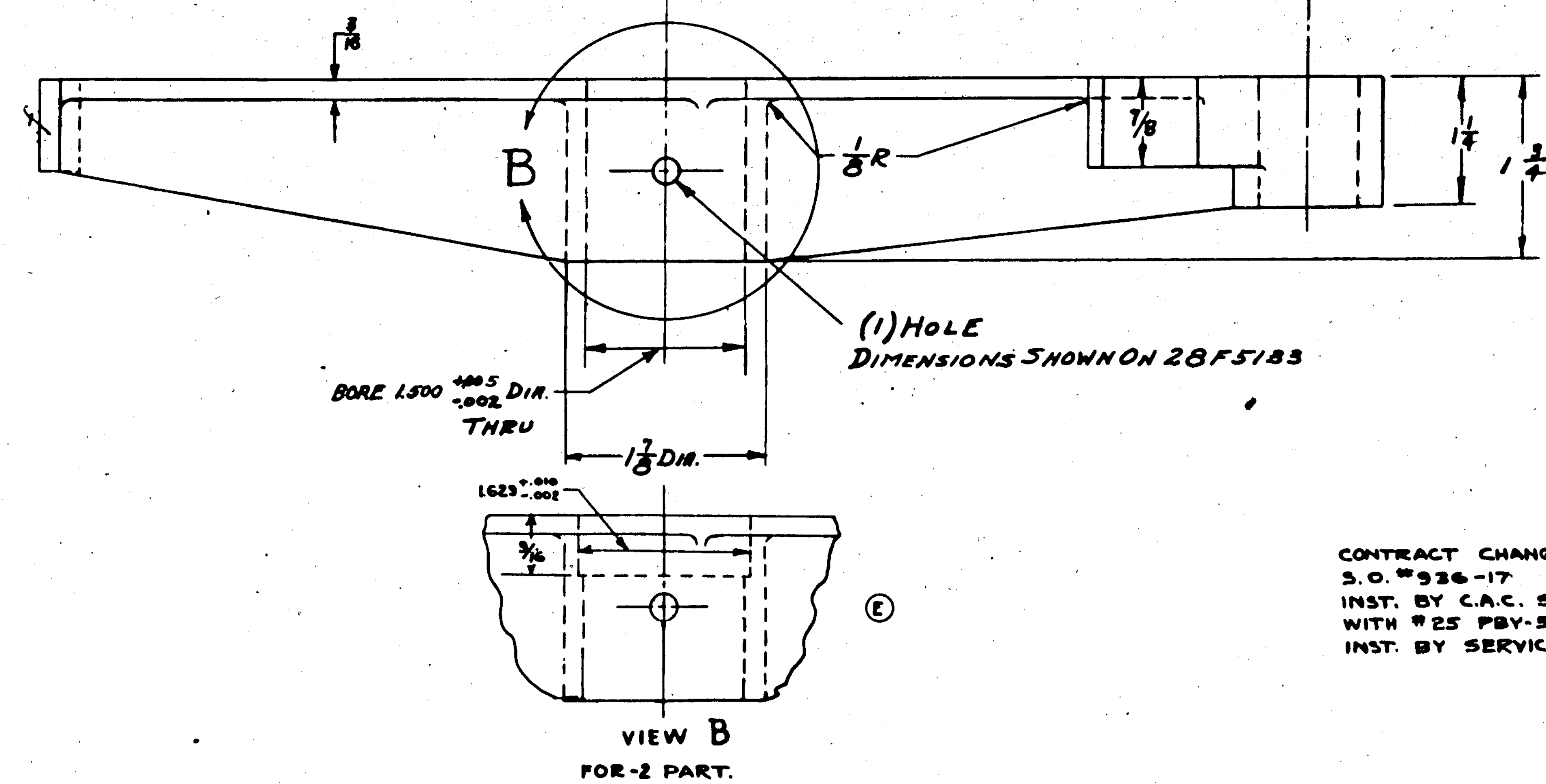
A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NORMALIZE	NOTED	Cherry 7-8-40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH						

NAME LEG ASSM'Y — FURNS BOMBERS SEAT SUPPORT

OPP. HAND — DWG. SIZE G — 28F5134

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.





LET	ALTERATION	DATE	BY
A	NOTE "BORE 15/16 THRU 2 PLACES" REPL. BY "BORE THRU 63/64 DIA. 2 PLACES"		
B	RMVD. "DOW 7" FIN. SPEC. & NOTE "IMMERSE IN ----CEASES" ADDED M-407 SPEC.		
C	ENLARGED BORE TO 1.625 ±.010 3/16 DEEP FOR -2 ASSY ONLY. ADDED NOTE. -0.02# WT. CHG. ADDED VIEW B.	3-21-42	
D	REVISED REQ. PER AIRPLANE BLOCK. NO WT. CHG.	1-21-43	
E	REMOVED -2 REQ'TS FOR PBY-5 NEXT ASSY 28F6902 C#91876 (MCR 126-1). REMOVED C#91876 86 SHIPS LIMITS FOR -0 ASSY PBY-5 NO WT. CHG.	2-11-43	

(C) ~NOTE~
-2 PART SAME AS -0 PART EXCEPT FOR BORE (AS SHOWN)

CONTRACT CHANGE "J"
S.O. #936-17
INST. BY C.A.C. STARTING WITH #25 PBY-5 AIRPLANE.
INST. BY SERVICE SHIPS 1 TO 25.

FINISH:
ANODIZE
P27 PRIMER
2 GREEN PRIMER

	ASSY DASH NO.	MODEL	NEXT ASSY	REQ
C. 13595	-2	PBY-5A	28F6902	1
C.91876 #90 (ON #253 TO 1099	-2	PBY-5	28F6902	1
	-0	B24D	32F4406	1
	-2	XB32, YB32	28F5133	1 EA
	-2	PBY-5B	28F7303	1
	-0	28-MILAN	28F5133	1 EA
C. 70496, 77713 & 88476	-0	PBY-5A	28F5133	1
	-0	PBY-5	28F5133	1

REQUIREMENTS PER AIRPLANE

CALC. WT. 7.04

SCALE 12" = 1'-0" — LIMITS ± 1/32

STAMP PART NUMBER WHERE SHOWN

PART NO: – | STOCK: MAGNESIUM CASTING | MATERIAL: M112F-ALLOY 4 | SPEC

PARTS LIST PER ASSY. -0 -2 -3 -4 -5

NAVY NONE — HEAT TREAT

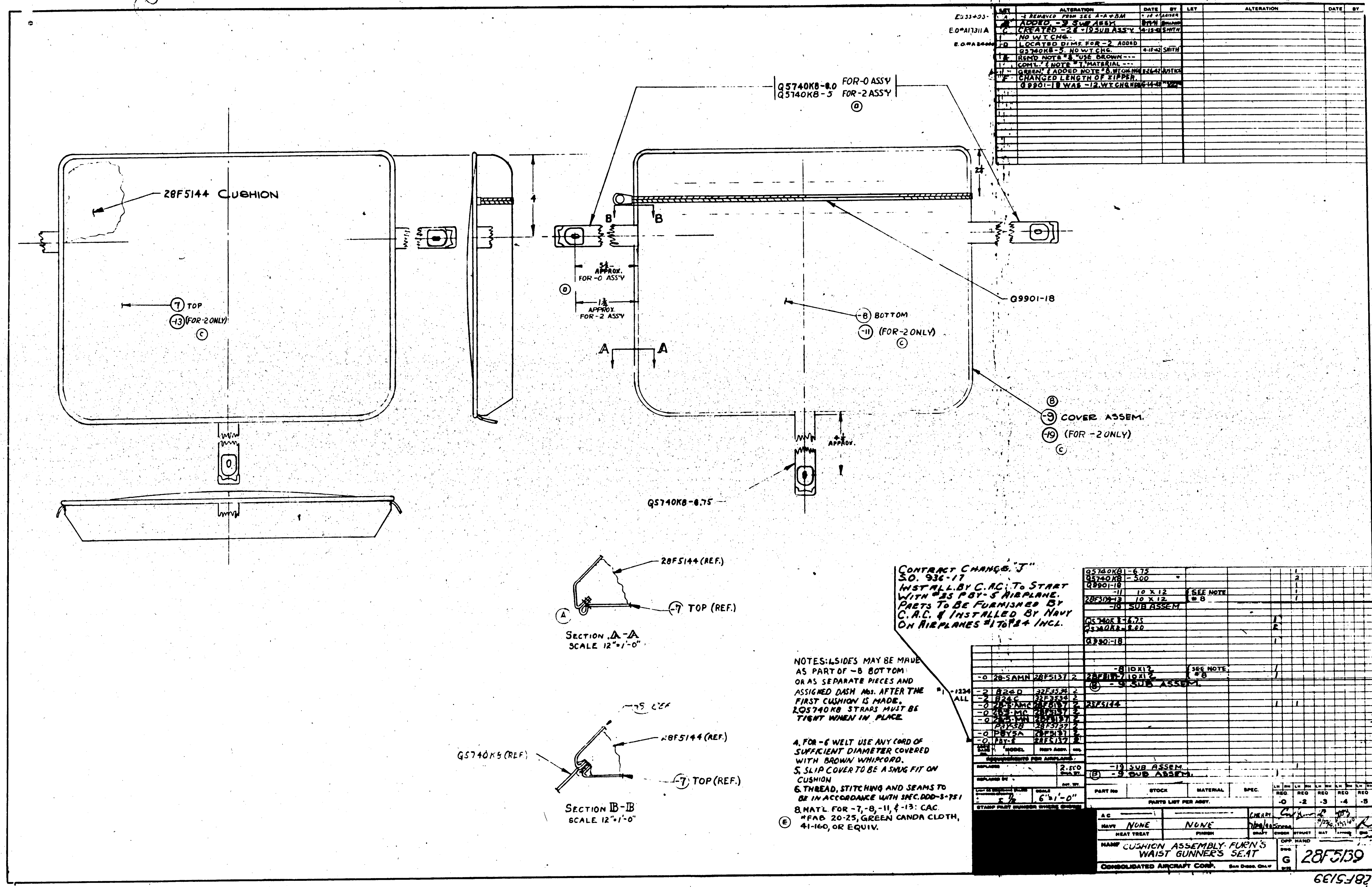
FINISH: M-407 ZP-2

DRAFT 7/15/40

NAME: SEAT CASTING - FURNS. BOMBER'S

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

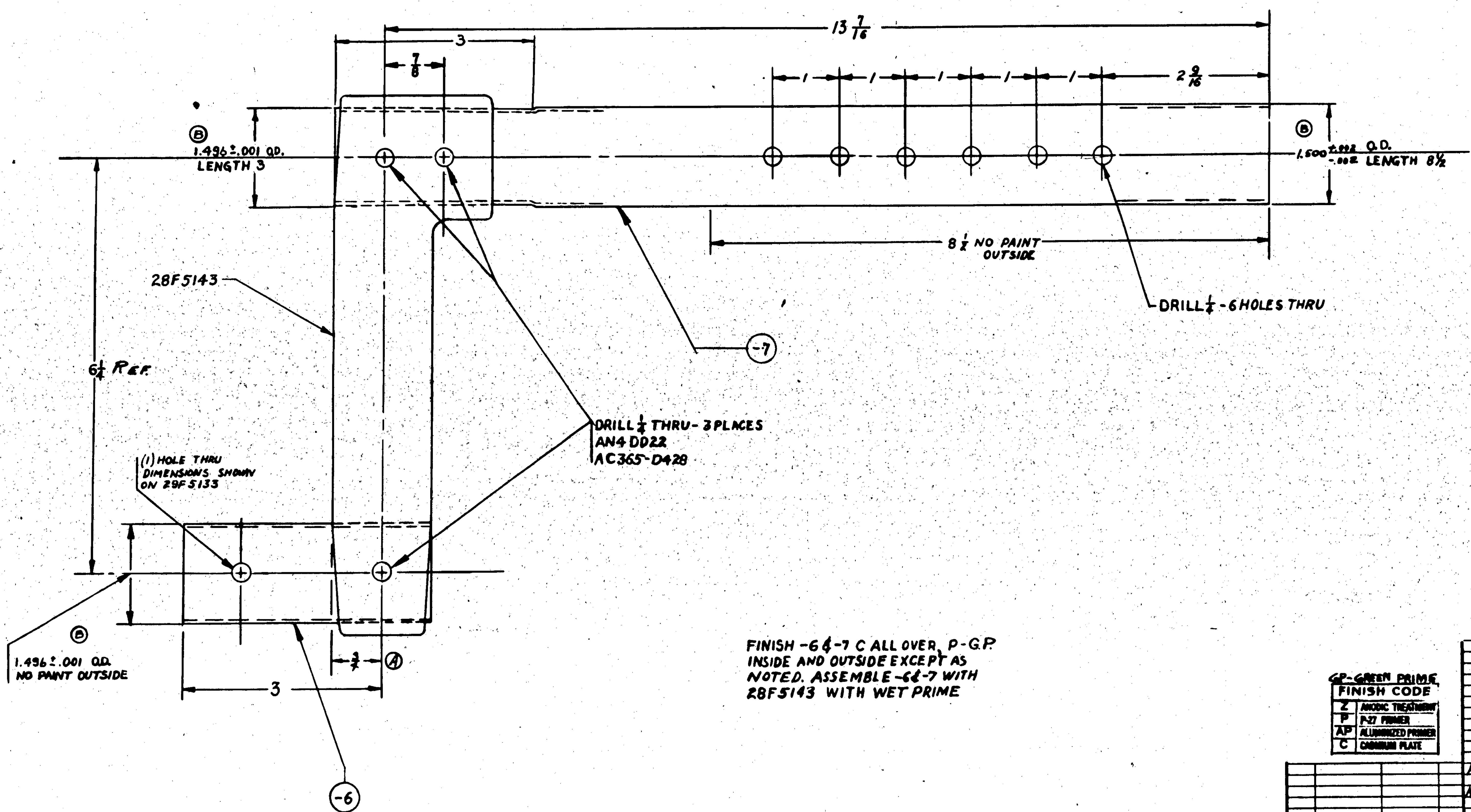
SIZE G — DWG. 28F5136



ALTERATION
A -6 REMOVED FROM SEC A-A & BM
B ADDED -9 SUB ASSY.
C CREATED -2 & -19 SUB ASS'Y. NO WT. CHG.
D LOCATED DIMS. FOR -2. ADDED Q5740KB-5. NO WT. CHG.
E REM'D NOTE #3, "USE BROWN --- COM'L." & NOTE #7, "MATERIAL --- GREEN" & ADDED NOTE #8. WT. CHG. NO.
F CHANGED LENGTH OF ZIPPER. Q9901-18 WAS -12. WT. CHG. NO.
Q5740KB-8.0 FOR-0 ASSY
Q5740KB-5 FOR-2 ASSY
28F5144 CUSHION
-7 TOP
-13 (FOR-2 ONLY)
5¼ APPROX. FOR-0 ASS'Y
1¾ APPROX. FOR-2 ASS'Y
Q9901-18
-8 BOTTOM
-11 (FOR-2 ONLY)
-9 COVER ASSEM.
-19 (FOR-2 ONLY)
Q5740KB-6.75
28F5144 (REF.)
-7 TOP (REF.)
SECTION A-A SCALE 12"=1'-0"
Q5740KB (REF.)
SECTION B-B SCALE 12"=1'-0"
CONTRACT CHANGE "J" S.O. 936-17 INSTALL. BY C.A.C. TO START WITH #25 PBY-5 AIRPLANE. PARTS TO BE FURNISHED BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO #24 INCL.
NOTES: 1. SIDES MAY BE MADE AS PART OF -8 BOTTOM OR AS SEPARATE PIECES AND ASSIGNED DASH Nos. AFTER THE FIRST CUSHION IS MADE.
2. Q5740KB STRAPS MUST BE TIGHT WHEN IN PLACE.
4. FOR -6 WELT USE ANY CORD OF SUFFICIENT DIAMETER COVERED WITH BROWN WHIPCORD.
5. SLIP COVER TO BE A SNUG FIT ON CUSHION
6. THREAD, STITCHING AND SEAMS TO BE IN ACCORDANCE WITH SPEC. DDD-S-751
8. MAT'L. FOR -7, -8, -11, & -13: CAC. #FAB 20-25, GREEN CANDA CLOTH, 41-160, OR EQUIV.
-0 28-5AMN 28F5137 2
-2 B24D 32F3534 2
-2 B24C 32F3534 2
-0 28-5AMC 28F5137 2
-0 28-5-MC 28F5137 2
-0 28-5-MN 28F5137 2
PBY-5B 28F5137 2
-0 PBY5A 28F5137 2
-0 PBY-5 28F5137 2
REQUIREMENTS FOR AIRPLANES
2.500
SCALE 6"=1'-0"
Q5740KB-6.75
Q5740KB-5.00
Q9901-18
-11 10 X 12 SEE NOTE #8
28F5139-13 10 X 12
-19 SUB ASSEM.
Q5740KB-6.75
Q5740KB-8.00
Q9901-18
-8 10 X 12 SEE NOTE #8
28F5139-7 10 X 12
-9 SUB ASSEM.
28F5144
-19 SUB ASSEM.
-9 SUB ASSEM.
PART No STOCK MATERIAL SPEC.
PARTS LIST PER ASSY.
REQ. -0 -2 -3 -4 -5
NAVY NONE
NONE
HEAT TREAT
FINISH
NAME CUSHION ASSEMBLY- FUR'N'S WAIST GUNNER'S SEAT
G 28F5139
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF
28F5139

E.O. 3320
PBY-5

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADD 1½ WH & CHG -5 TO 13⅞ WAS	[illegible]	[illegible]				
	13⅝ & -6 TO 3¾ WAS 3		[illegible]				
B	ADDED NOTE: "ALTERNATE --- COND. N."						
	WT. CHG. NEG.	10-9-42	[illegible]				



FINISH -6 & -7 C ALL OVER, P-G.P. INSIDE AND OUTSIDE EXCEPT AS NOTED. ASSEMBLE -6 & -7 WITH 28F5143 WITH WET PRIME

INST. BY SERVICE SHIPS #1 TO 25
INST. BY C.A.C. SHIPS #25 & ON

CONTRACT CHANGE "J"
S.O #936-17

GP-GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

THIS ASS'Y REPLACES 28F5134 WHEN FORGING 28F5143 IS AVAILABLE

Ⓑ
✻ NOTE:
ALTERNATE MATERIAL FOR -6 & -7 :
CHROME-MOLY WELDED TUBING,
AN-T-3, TYPE I, COND. N.

ASSY. DASH No.	MODEL	NEXT ASSY	No.
	28-5MN	28F5133	1
	28-5AMN	28F5133	1
	PBY-5A	28F5133	1
→	PBY-5	28F5133	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

	PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
	AN4-DD22				3				
	AC365-D428				3				
	28F5143				1				
✻	-7	1½ OD X .06 X 14¾6	C.M. STL. TUBE	AN-WW-T-850	1				
✻	-6	1½ OD X .06 X 3¾	C.M. STL. TUBE	AN-WW-T-850	1				

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV	ENG
A.C. —	—	CHERRY	[illegible]	[illegible]	[illegible]	[illegible]	
NAVY NONE	NOTED	7/30/40	Stone	CAG	10/4	[illegible]	[illegible]

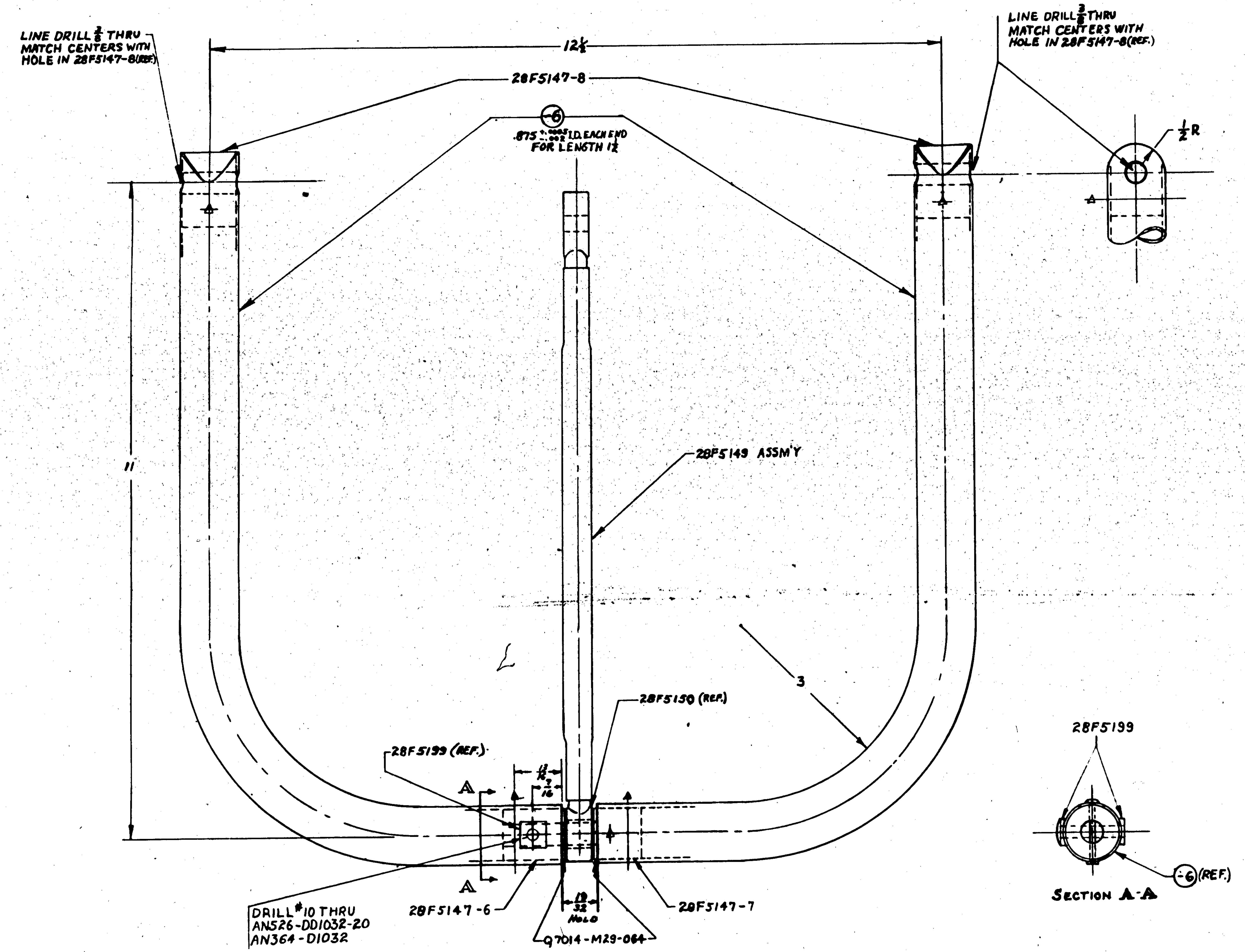
OPP. HAND —

NAME: LEG ASS'MY - FURN'S BOMBER'S SEAT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. G — 28F5142

R



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACT CHANGE "J"
S.O. 936-17
INSTALLED BY C.A.C. TO START WITH #25 PBY-5 AIRPLANE. PARTS TO BE FURNISHED BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO #24 INCL.

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN442-A[illegible]								
AN526-DD1032-20				1				
AN364-D1032				1				
Q7014-M29-064				2				
28F5199				2				
28F5147-6				1				
28F5147-7				1				
28F5147-8				2				
28F5149				1				
-4	1 O.D. × .065 × 20	AL. ALLOY	24ST ? (ann.)	2				

PARTS LIST PER ASSY.

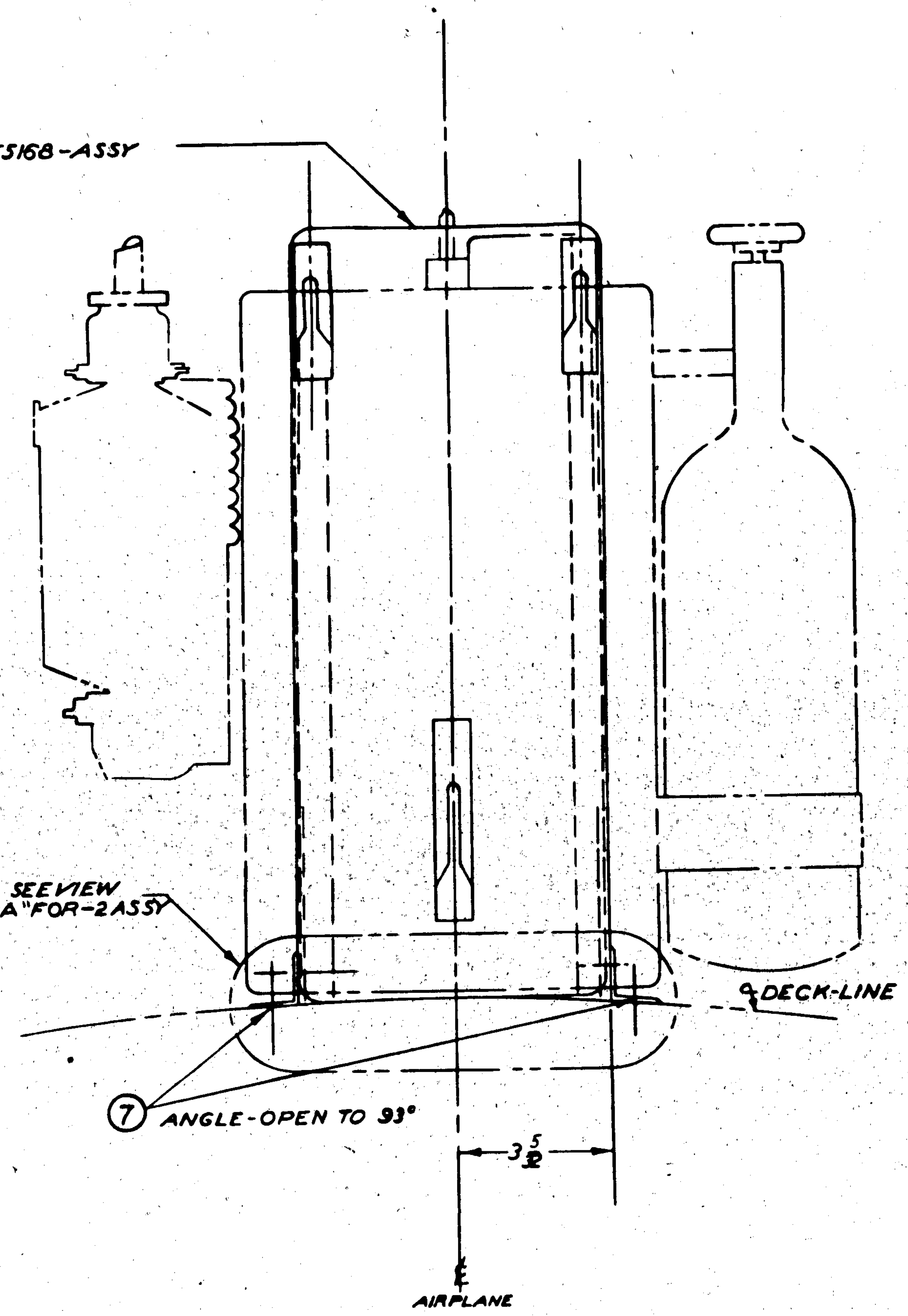
ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5B	28F5137	2
	PBY-5A	28F5137	2
	PBY-5	28F5137	2

REQUIREMENTS PER AIRPLANE

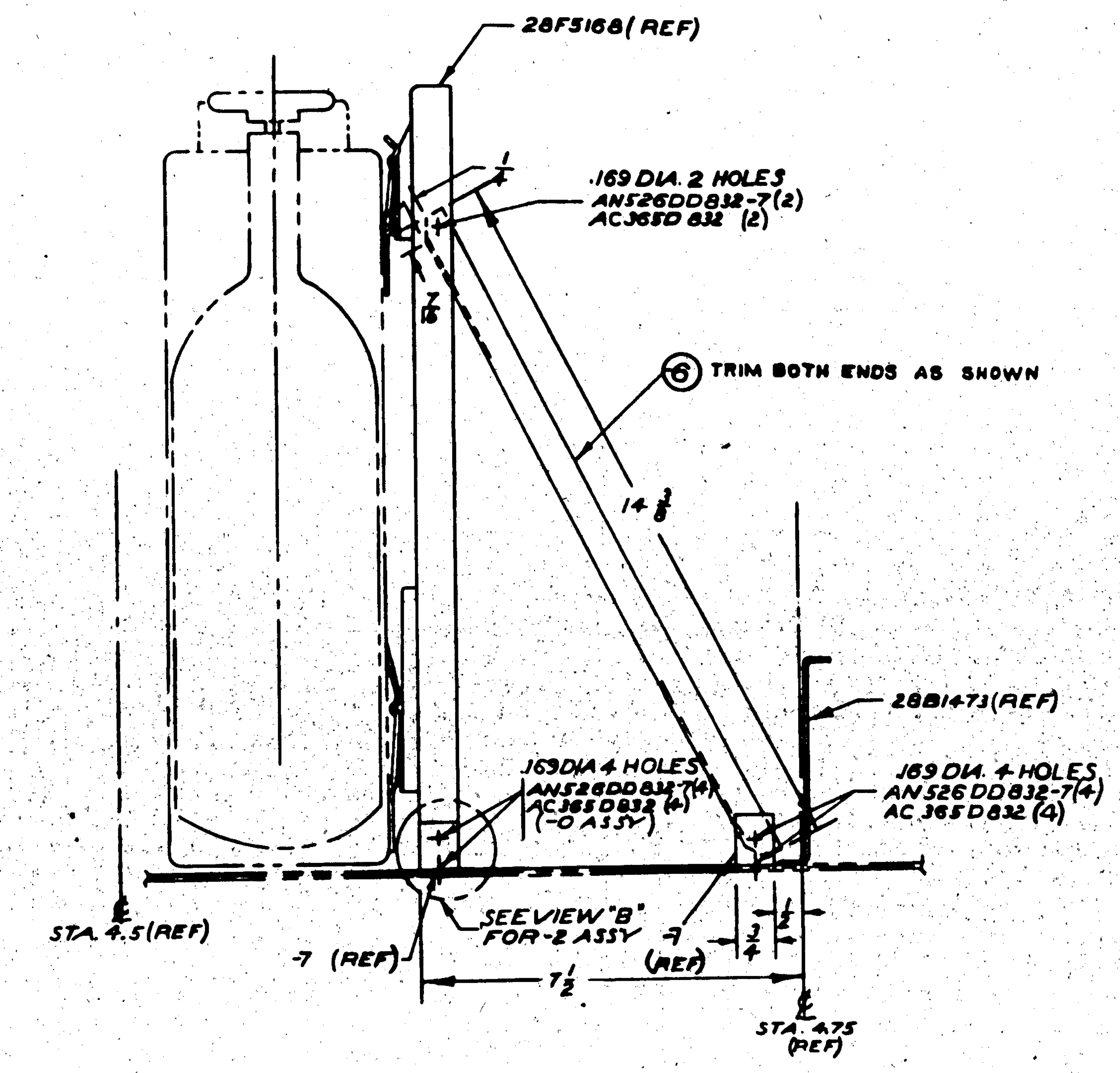
REPLACES — .789 CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

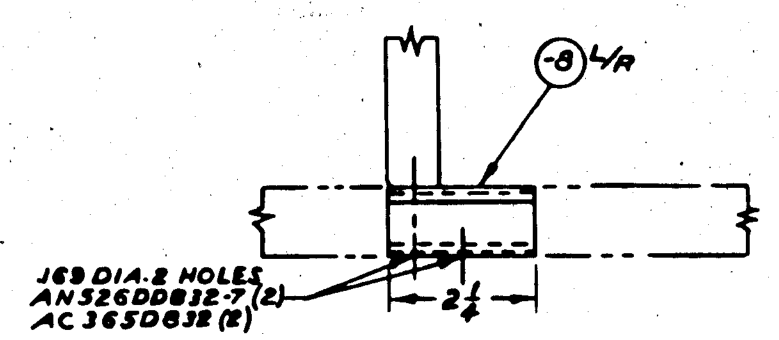
A C
NAVY NONE
HEAT TREAT
FINISH: 2-P-AP INSIDE, 2-P-ZAP OUTSIDE
DRAFT: C. NERRY 7/26/40 — CHECK — STRUCT — MAT — APPROV — ENG
OPP HAND

NAME LEG - FURN'S - WAIST GUNNERS SEAT
DWG. SIZE G — 28F5146
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

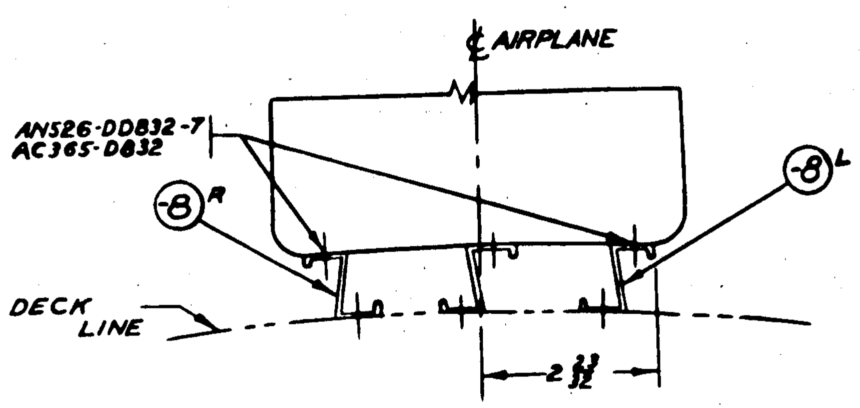


VIEW LOOKING AFT STA.4.5





VIEW B
FOR-2 ASSY



VIEW A
FOR-2 ASSY

NOTES:

1. RELEASED AS PER CONTRACT #91876
2. CONTRACT CHANGE #"O" SO # 936-24 TO BE INSTALLED BY C.V.A.C. ON AIRPLANES #49 TO 200 INCL SERIAL NOS. 2337 TO 2488 INCL. PARTS TO BE FURN'D BY C.V.A.C. & INSTALLED BY THE NAVY ON AIRPLANES #1 TO 48 INCL SERIAL NOS 2289 TO 2336 INCL.
3. FOR INSTALLATION OF MECHANICS OXYGEN OUTLET SEE 28F5201.

LET	ALTERATION	DATE	BY
R	TRACED. NO WT. CHG.		

C# 70496 & C# 91876

Dash No.	Model	Next Assy.	No.
-2	PBY-5A	28F5200	1
-0	PBY-5	28F5156	1

REQUIREMENTS PER AIRPLANE

Replaces: 28F5152 OF 8/15/40 — .06 Calc. Wt.

Scale: 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

Part No	Stock	Material	Spec.	-0 Req.	-2 Req.
AN526DD832-7				10	12
AC365D832				10	12
28F5168				1	1
-8R	Y-37-A20T X 2 3/8				1
-8L	Y-37-A20T X 2 3/8				1
-7	[illegible] X 7/8	AL. ALLOY	46A9-T	4	2
-6	Y-2-A20T X 14 1/2			2	2

PARTS LIST PER ASSY.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

A C
NAVY NONE
HEAT TREAT
FINISH: ZP ON -8 & -7, GGP ON INSTALL

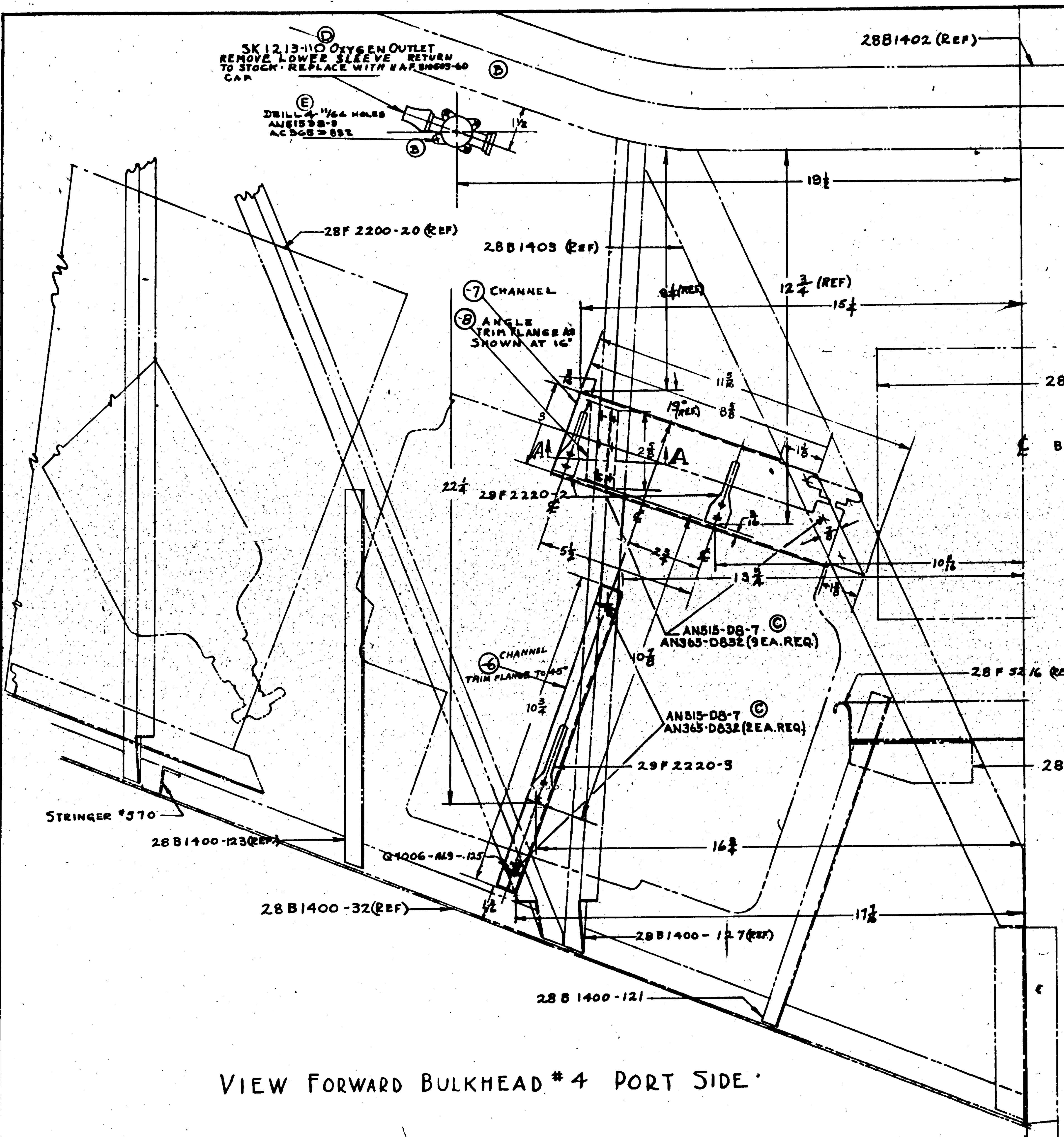
DRAFT: PARKER 8/15/40; CHECK: CN, JEWELL; STRUCT: GREEN; MAT: FAF; APPROV: J.W.Z. 9/11/40; ENG: R

NAME: INSTALLATION-FURNS MECHANICS REBREATHER

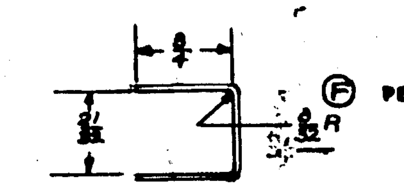
DWG. SIZE G — 28F5152

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

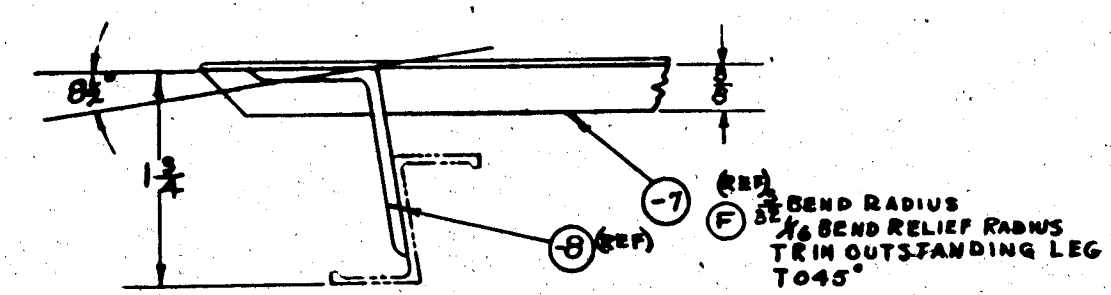
28F5152 R



VIEW FORWARD BULKHEAD #4 PORT SIDE



DETAIL -6
SCALE 12" = 1'0"



DETAIL A-A
SCALE 12" = 1'-0"

NOTE- ALL RIVETS TO BE AN442-D4 SPACED APPROX. AS SHOWN.
FINISH -6-7-8 Z-P
FINISH ASSEM. 2AP
INSULATE 29F2220-2 & 29F2220-3 FROM STRUCTURE WITH MARINE GLUE & FABRIC.

Ⓐ NOTE: DO NOT FINISH OXYGEN OUTLETS SK1213-110 Ⓓ

CONTRACT CHANGE "O" S.O. #936-24
TO BE INSTALLED BY C.A.C. ON
AIRPLANES #49 TO 167 INCL.
SERIAL NOS. 2337 TO 2455 INCL.
PART TO BE FURN'D BY C.A.C.
& INSTALLED BY NAVY ON
AIRPLANES #1 TO 48 INCL.
SERIAL NOS. 2289 TO 2336 INCL.

RELEASED AS PER CONTRACT #81876

* SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110

E.O. 25826

LET	ALTERATION	DATE	BY
A	ADD NOTE "DO NOT FINISH OXYGEN OUTLETS SK1213-90"		
B	CHG'D POSITION OF SK1213-90; 13 1/2 WAS 18. AN365-D832-? CHG'D TO AN515-D8-?		
C	USE AN515-D8-7 & AN365-D832 ON -7 & -6 CHANNELS. ADD IN BM.		
D	SK1213-110 WAS SK1213-90 WT. CHANGE NEG.		
E	4 HOLES WAS 2 HOLES & AC 365-D832 (15) WAS (13) & AN515-D8-8 (4) WAS (2). WT. CHANGE NEG.		
F	3/32 BEND RADIUS WAS 1/8 & -7 WAS -7L. WT. CHANGE NEG.		
G	IN B/M FOR -8 REPLACE "K11886 X 3 1/4, AL. ALLOY, 46A9 COND T" WITH "Y-6-A777 X 3 1/4" (WT. CHG. NEG.)	4-21-43	

MINES SAFETY APPLIANCE CO. * SK1213-110 — 1

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
* SK1213-110				1
AN515-D8-7				11
AC365-D832				15
AN515-D8-8				4
AN442-D4				
NAF 810605-6D				1
Q7006-AL9-.125				1
29F2220-2				2
29F2220-3				1
-8	Y-6-A777 X 3 1/4			1
-7	.040 X 4 X 11 1/2	AL. ALLOY	47A10 COND. T	1
28F5157-6	.040 X 2 1/4 X 11	AL. ALLOY	47A10 COND. T	1

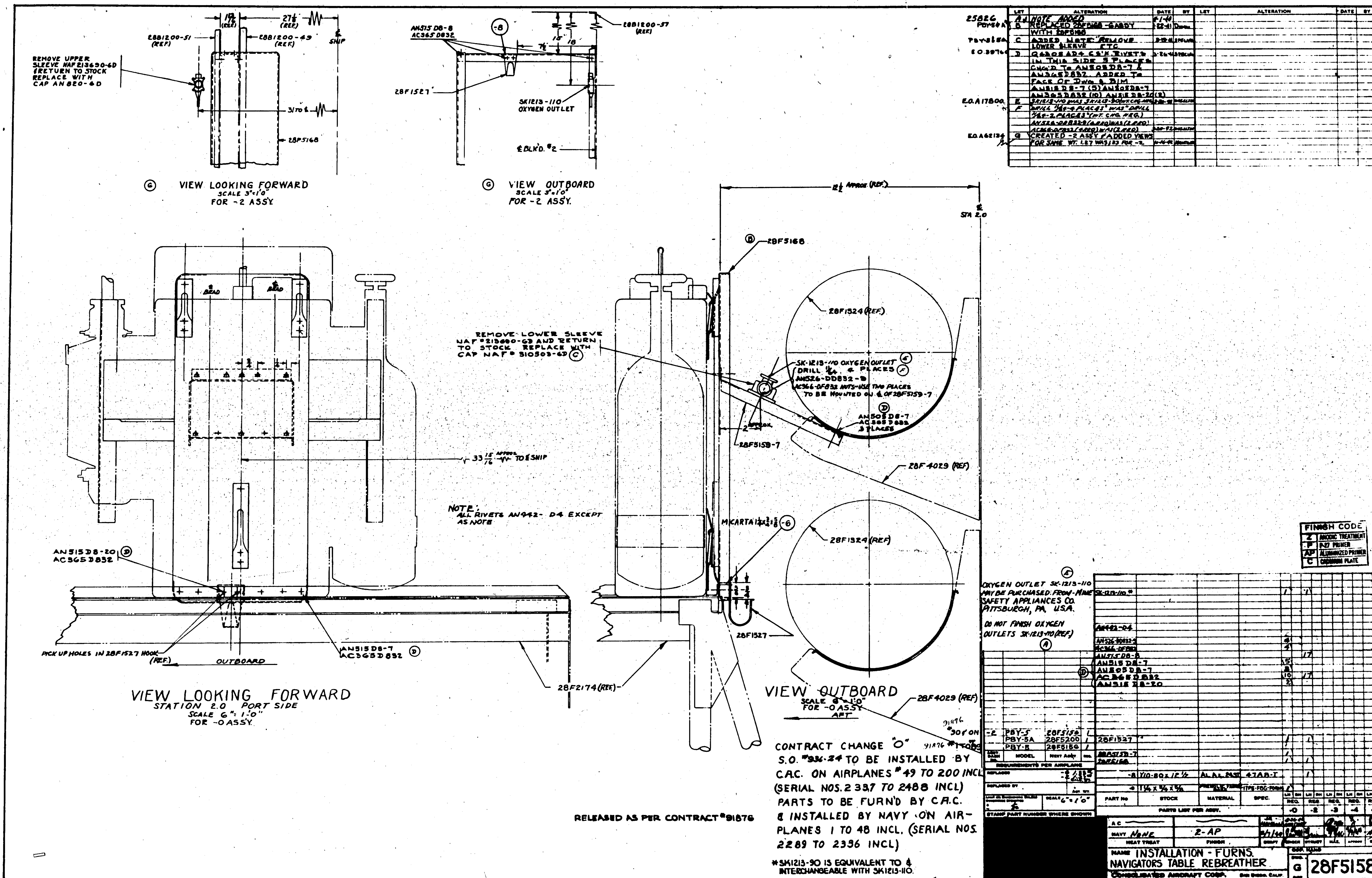
PARTS LIST PER ASSY.

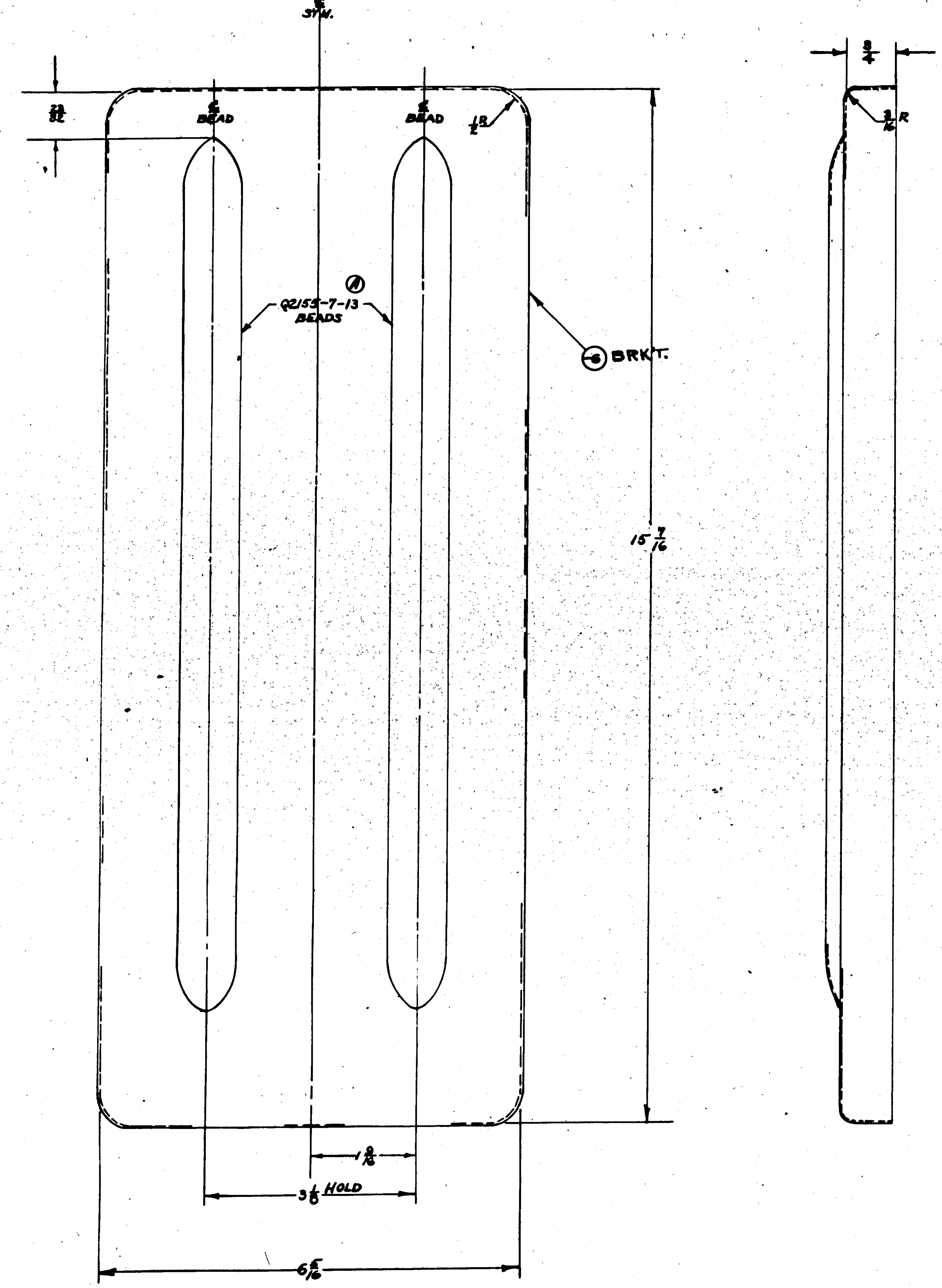
MODEL	NEXT ASSY	NO.
PBY-5	28F5156	1

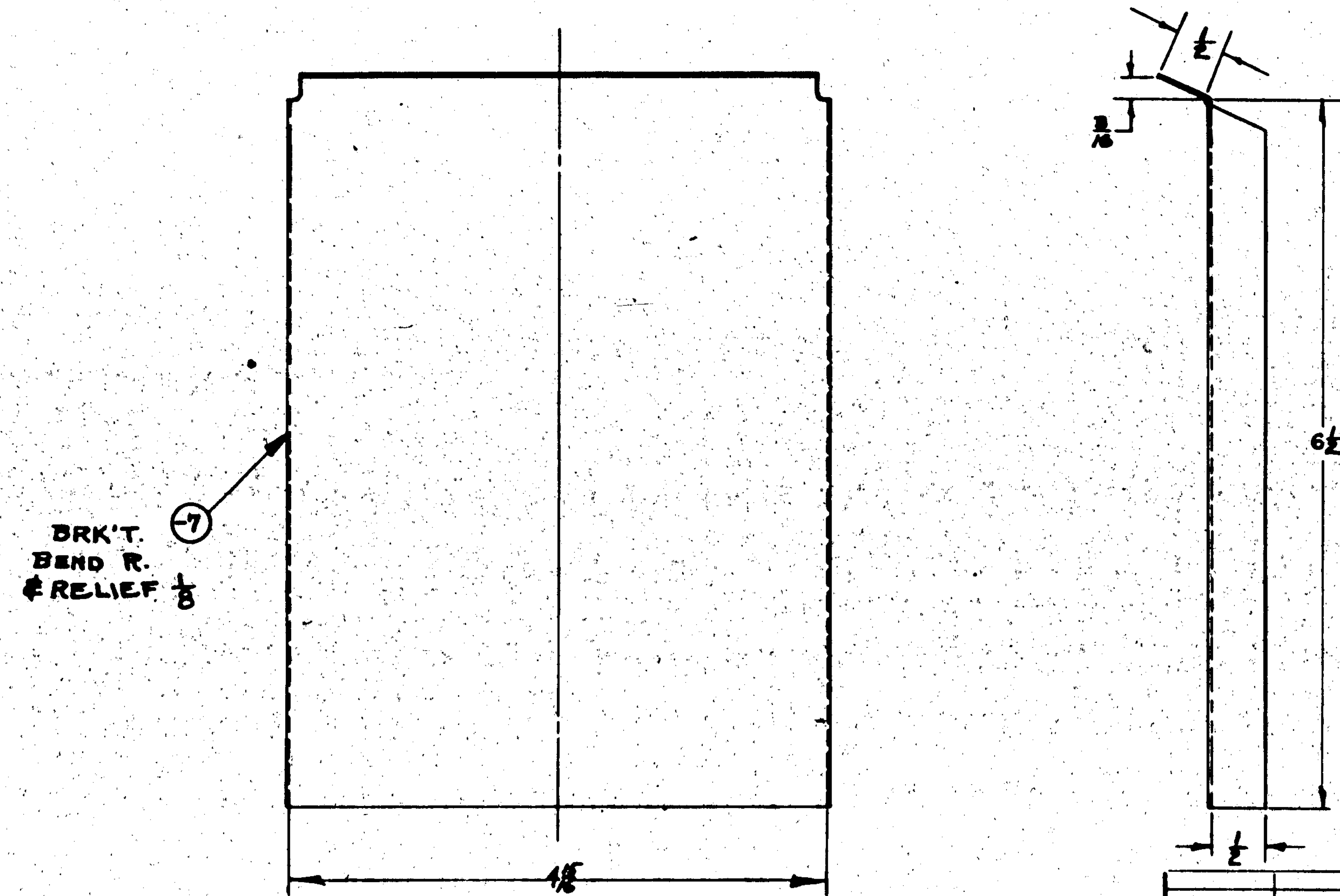
REQUIREMENTS PER AIRPLANE
REPLACES — .670 CALC. WT.
REPLACED BY — ACT. WT.
LIMITS: ± 1/32 — SCALE 6" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

A.C. — NAVY: NONE — HEAT TREAT
ZP-2AP — FINISH
DRAFT: NELSON 4/5/40 — CHECKED — STRUCT. — MAT. — APPROV. — ENG.

NAME: INST. — FURNS. MECHANIC'S BUNK REBREATHER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
G 28F5157


REMOVE UPPER SLEEVE NAF 213690-6D (RETURN TO STOCK REPLACE WITH CAP AN 820-6D
28B1200-51 (REF)
28B1200-49 (REF)
28F5168
VIEW LOOKING FORWARD
SCALE 3"=1'0"
FOR -2 ASSY.
AN515 D8-8
AC365 D832
28F1527
SK1213-110 OXYGEN OUTLET
28B1200-57 (REF)
VIEW OUTBOARD
SCALE 3"=1'0"
FOR -2 ASSY.
STA 2.0
REMOVE LOWER SLEEVE NAF 213690-6D AND RETURN TO STOCK REPLACE WITH CAP NAF 310503-6D
28F1324 (REF)
SK-1213-110 OXYGEN OUTLET
AN526-DD832-9
AN505 D8-7
AC365 D832
3 PLACES
28F5159-7
28F4029 (REF)
TO ℄ SHIP
NOTE: ALL RIVETS AN442-D4 EXCEPT AS NOTED
MICARTA
AN515 D8-20
AC365 D832
PICK UP HOLES IN 28F1527 HOOK (REF.)
OUTBOARD
AN515 D8-7
AC365 D832
28F2174 (REF)
VIEW LOOKING FORWARD
STATION 2.0 PORT SIDE
SCALE 6"=1'-0"
FOR -0 ASSY.
VIEW OUTBOARD
SCALE 6"=1'0"
FOR -0 ASSY.
AFT
FINISH CODE
Z ANODIC TREATMENT
P ZINC CHROMATE PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
OXYGEN OUTLET SK-1213-110 MAY BE PURCHASED FROM MINE SAFETY APPLIANCES CO. PITTSBURGH, PA. U.S.A.
DO NOT FINISH OXYGEN OUTLETS SK-1213-110 (REF)
-2 PBY-5 28F5156
PBY-5A 28F5200
PBY-6 28F5156
CONTRACT CHANGE "O" S.O. #336-24 TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO 200 INCL (SERIAL NOS. 2337 TO 2488 INCL) PARTS TO BE FURN'D BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES 1 TO 48 INCL. (SERIAL NOS. 2289 TO 2336 INCL)
RELEASED AS PER CONTRACT #91876
*SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110.
NAVY NONE
2-AP
INSTALLATION - FURNS. NAVIGATORS TABLE REBREATHER
CONSOLIDATED AIRCRAFT CORP.
G 28F5158





EO 26735

LET	ALTERATION	DATE	BY
A	Q2155-7-13 WAS Q2155-7-14	[illegible]	[illegible]

CONTRACT CHANGE "O"
S.O.# 936-24
TO BE INSTALLED BY C.A.C. ON AIRPLANES # 49 TO 200 INCL. (SERIAL NO. 2397 TO 2488 INCL.) PARTS TO BE FURN'D BY C.A.C. & INST'N BY NAVY ON AIRPLANES # 1 TO 48 INCL. (SERIAL NOS. 2289 TO 2336 INCL.)

RELEASED AS PER CONTRACT # 91876

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-7	PBY-6A	28F5158	1
-6	PBY-6A	28F5168	9
-7	PBY-5	28F5158	1
-6	PBY-5	28F5168	8

REQUIREMENTS PER AIRPLANE

REPLACES — -6 = .42, -7 = .16 CALC. WT.

REPLACED BY — ACT. WT.

SCALE 1/2" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC
-7	.051 x 6 1/2 x 7	AL. ALLOY 24ST.	47A10 [illegible]
-6	.051 x 12 x 21	AL. ALLOY 24SO	47A10 [illegible]

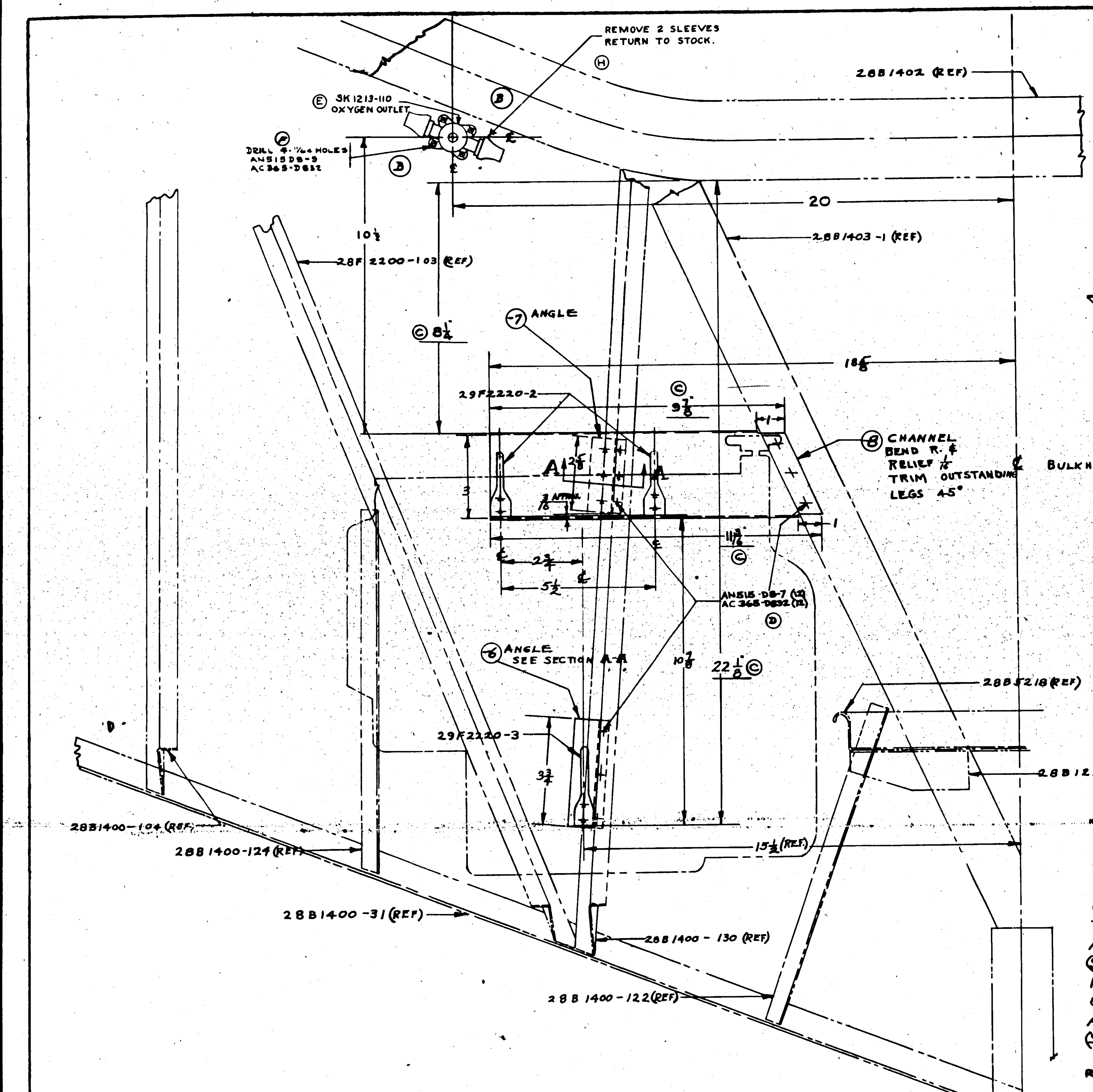
PARTS LIST PER ASSY.

HEAT TREAT	FINISH
NAV- SR-33 COND'T ON -6	Z-P

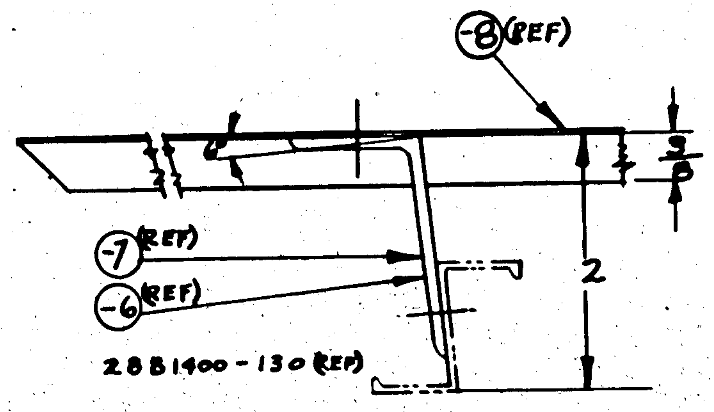
NAME SUPPORTS - FURNS. NAVIGATORS TABLE REBREATHER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. G 28F5159



VIEW LOOKING AFT – BULKHEAD #4 STR'BD SIDE



DETAIL A-A
SCALE 12"=1'-0"

NOTE:
ALL RIVETS AN 422-D4 SPACED APPROX. AS SHOWN
FINISH -6, -7, -8 Z-P
FINISH ASSEM Z AP
INSULATE 29F2220-2 & 29F2220-3 FROM STRUCTURE WITH MARINE GLUE & FABRIC.

NOTE:– DO NOT FINISH OXYGEN OUTLETS SK-1213-110 (REF.) Ⓐ Ⓔ

CONTRACT CHANGE "O" S.O. #936-24 TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO 200 INCL. (SERIAL NOS. 2337 TO 2488 INCL) PARTS TO BE FURN'D BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES 1 TO 48 INCL. (SERIAL NOS. 2289 TO 2336 INCL)

RELEASED AS PER CONTRACT #91876

* SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110.

LET	ALTERATION	DATE	BY
A	NOTE ADDED	11-1-40	
B	REMOVED NOTE FROM SK1213-90 & CHG'D POSITION OF OUTLET DIM ROW WAS 18 & 10 1/2 ADDED AN526DD832-9 CHG'D TO AN515DB-9	3-12-41	
C	8 1/4 DIM WAS 8 1/2, 9 7/8 DIM WAS ... 22 1/8 ...	6-18-41	
D	ADDED AN515-DB-7 & AN365-D832 TO FACE OF DWG. & AN515-DB-7 (12)–AN365-D832 ADDED TO B/M.	4-14-41	SMITH
E	SK1213-110 WAS SK1213-90 (WT. CHG. NEG.)	3-20-42	
F	"DRILL 4-11/64 HOLES" WAS DRILL 2-11/64 HOLES (WT. CHG. NEG.) AN515DB-9 (4 REQ) WAS (2 REQ) AN365D832 (4 REQ) WAS (2 REQ)	3-20-42	
G	ON FACE OF DWG. REMOVED NOTES FROM -6 & -7 "MAKE FROM K11636" IN B/M FOR -6 REPLACED "K11636 K4, AL. ALLOY, 46A9 COND. T" WITH "Y-6A77T K 4." IN B/M FOR -7 REPLACED "K11636 K 2 3/4, AL. ALLOY, 46A9 COND T"		
G (CONT.)	WITH "Y-6-A77T K 2 3/4. (WT. CHG. NEG.)	4-22-42	
H	RELOCATED CALL-OUT FOR OXYGEN OUTLET. ADDED CALL-OUT & "REMOVE---STOCK" WT. CHG. NEG.	9-11-42	

E.O.A-1217 PBY-5 & 5A; E.O.A-1168 PBY-5 & 5A; E.O. 17800

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
* SK1213-110	MINES SAFETY APPLIANCE CO			1
AC365-D832				12
AC365-D832				4
AN515DB-9				4
AN515DB-7				12
AN442-D4				
NAF 310503-10				1
29F2220-2				2
29F2220-3				1
-8	.040 X 4 X 12	AL ALLOY	47A10 Cond T	1
-7	Y-6-A77T K 2 3/4			1
28F5160-6	Y-6-A77T K 4			1

PARTS LIST PER ASSY.

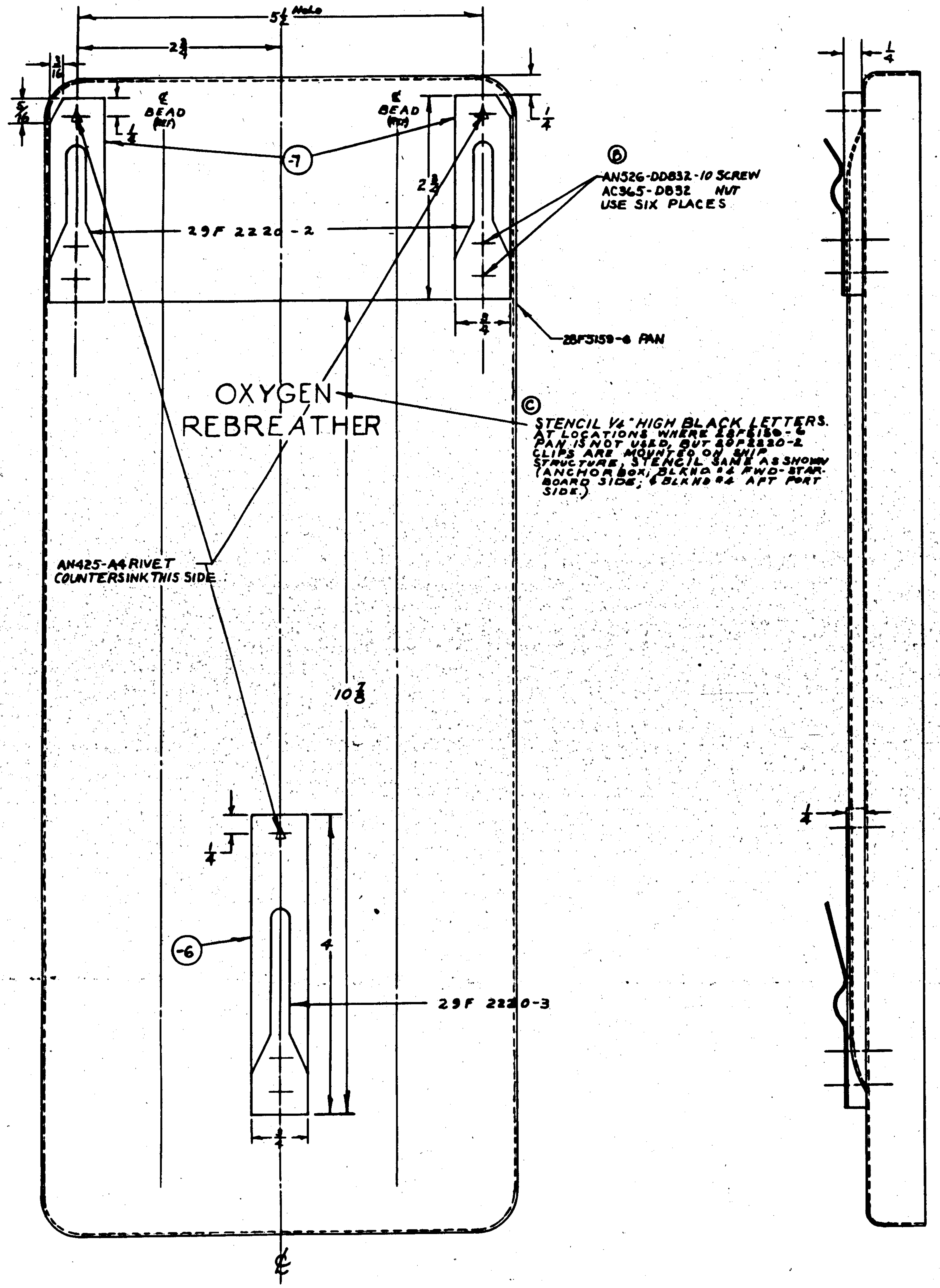
MODEL	NEXT ASSY	REQ
PBY-5A	28F5200	1
PBY-5	28F5156	1

REQUIREMENTS PER AIRPLANE

CALC. WT. .684
SCALE 6"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT
Z-P DETAILS, ZAP INSTALLATION — FINISH
DRAFT NELSON 8/7/40

NAME INSTALLATION – FURNS RADIO OPERATORS REBREATHER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. G 28F5160
R



EO 35580 -
E.O. A341
PBY5-PBY5A

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	CHANGED LENGTH OF BEAD AS PER E.O. 26795 ON DRAWING 28F5159 TO SHOW CORRECT RELATION BETWEEN SPRING & BEAD ON PAN ASSEM.	9-27-40	[illegible]				
B	AN526-DD832-10 WAS AN526-DD832-8	2-14-41	[illegible]				
C	ADDED STENCIL NOTE TO FACE OF DRAWING	5-2-41	[illegible]				

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

Note.
CONTRACT CHANGE "O" S.O. #936-24 TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO 200 INCL. (SERIAL NOS. 2337 TO 2488 INCL.). PARTS TO BE FURN'D BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO 48 INCL. (SERIAL NOS. 2289 TO 2336 INCL.)

RELEASED AS PER CONTRACT #81876

SEE NOTE

ASSY DASH No.	MODEL	NEXT ASSY.	NO.
	PBY-5A	28F5209	1
	PBY-5A	28F5179-L	1
	PBY-5A	28F5179-R	1
	PBY-5	28F5179-R	1
	PBY-5	28F5179-L	1
	PBY-5A	28F5173	1
	PBY-5	28F5173	1
	PBY-5	28F5172	1
	PBY-5	28F5152	1
	PBY-5A	28F5152	1
	PBY-5A	28F5184	1
	PBY-5A	28F5176-R	1
	PBY-5A	28F5176-L	1
	PBY-5	28F5176-R	1
	PBY-5	28F5176-L	1
	PBY-5A	28F5170	1
	PBY-5	28F5170	1
	PBY-5A	28F5158	1
	PBY-5	28F5158	1

REQUIREMENTS PER AIRPLANE

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0
AN425-A4				
AN526-DD832-10				6
AC365-DB32				6
29F2220-3				1
29F2220-2				2
28F5159-6				1
-7	1/8 x 3/4 x 2 3/4	PHENOLIC	[illegible]	2
-6	1/8 x 3/4 x 4	"	[illegible]	1

PARTS LIST PER ASSY.

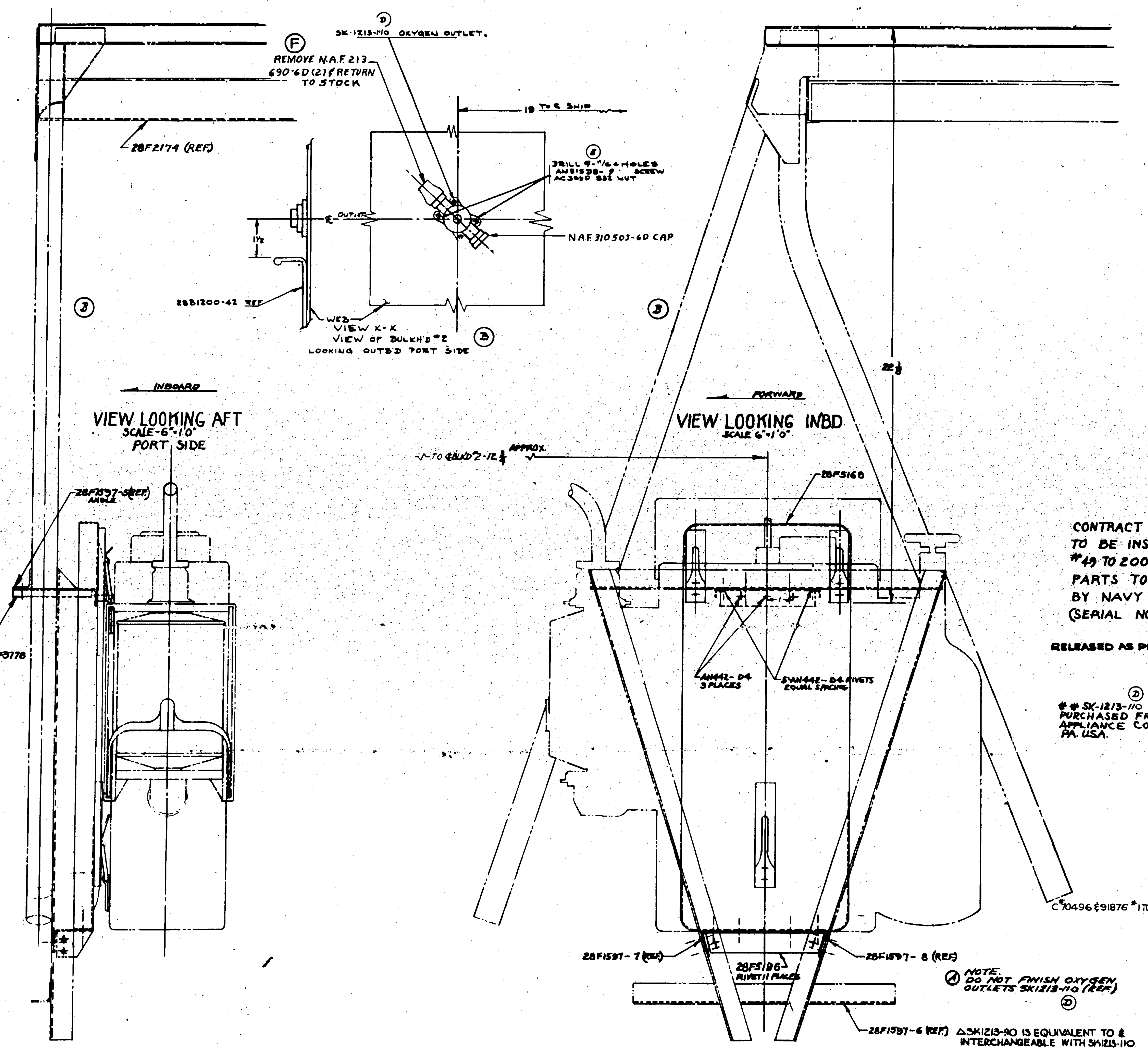
REPLACES — .81 CALC. WT.
REPLACED BY — ACT. WT.
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

AC	—	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	2-P-AP	J.H. [illegible] 9/5/40	[illegible]				
HEAT TREAT	FINISH						

NAME ASSEMBLY - FURN'S - PAN REBREATHER SUPPORT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. G 28F5168



NOTE. DO NOT FINISH OXYGEN OUTLETS SK1213-110 (REF) Ⓓ

Δ SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110

CONTRACT CHANGE "O" S.O. #936-24
TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO 200 INCL. (SERIAL NOS. 2337 TO 2488 INCL)
PARTS TO BE FURN'D BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO 48 INCL. (SERIAL NOS 2289 TO 2336 INCL)

RELEASED AS PER CONTRACT #91876

Ⓓ ✱ SK-1213-110 OXYGEN OUTLET MAY BE PURCHASED FROM MINE SAFETY APPLIANCE COMPANY, PITTSBURGH, PA. USA.

LET	ALTERATION	DATE	BY
A	E.O. [illegible] - NOTE ADDED	[illegible]	[illegible]
B	ADDED VIEW OF BULKH'D #2 & REMOVED OUTLET FROM FORMER POSITION. AN526DD832-9 CHG'D. TO AN515D8-9	[illegible]	[illegible]
C	ADDED TO [illegible] 28F5178-(1)	7-1-41	[illegible]
D	SK1213-110 WAS SK1213-90 (WT. CHG. NEG.)	[illegible]	[illegible]
E	DRILL 4-11/64 HOLES" WAS "DRILL 2-11/64 HOLES". (WT. CHG. NEG.) AN515D8-9 (4 REQ) WAS (2 REQ) AC365D832 (4 REQ) WAS (2 REQ)	[illegible]	[illegible]
F	NOTE: "REMOVE N.A.F. 213690-6D (2) & RETURN TO STOCK" WAS, REMOVE LOWER SLEEVE N.A.F. 213690-6D & RETURN TO STOCK. REPLACE WITH N.A.F. 310503-6D CAP" RELOCATED CALL OUT FOR N.A.F. 310503-6 CAP. NO WT. CHG.	9-10-43	MORRIS

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
SK1213-110	OXYGEN OUTLET Δ			1				
AN442-D4								
AN515D8-9				4				
AC365D-832				4				
NAF310503-6D				1				
28F5178				1				
28F5168				1				
28F5186				1				

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY.	NO.
	PBY-5A	28F5200	1
	PBY-5	28F5156	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.30 LB CALC. WT.

REPLACED BY — ACT. WT.

SCALE 6"=1'0"

STAMP PART NUMBER WHERE SHOWN

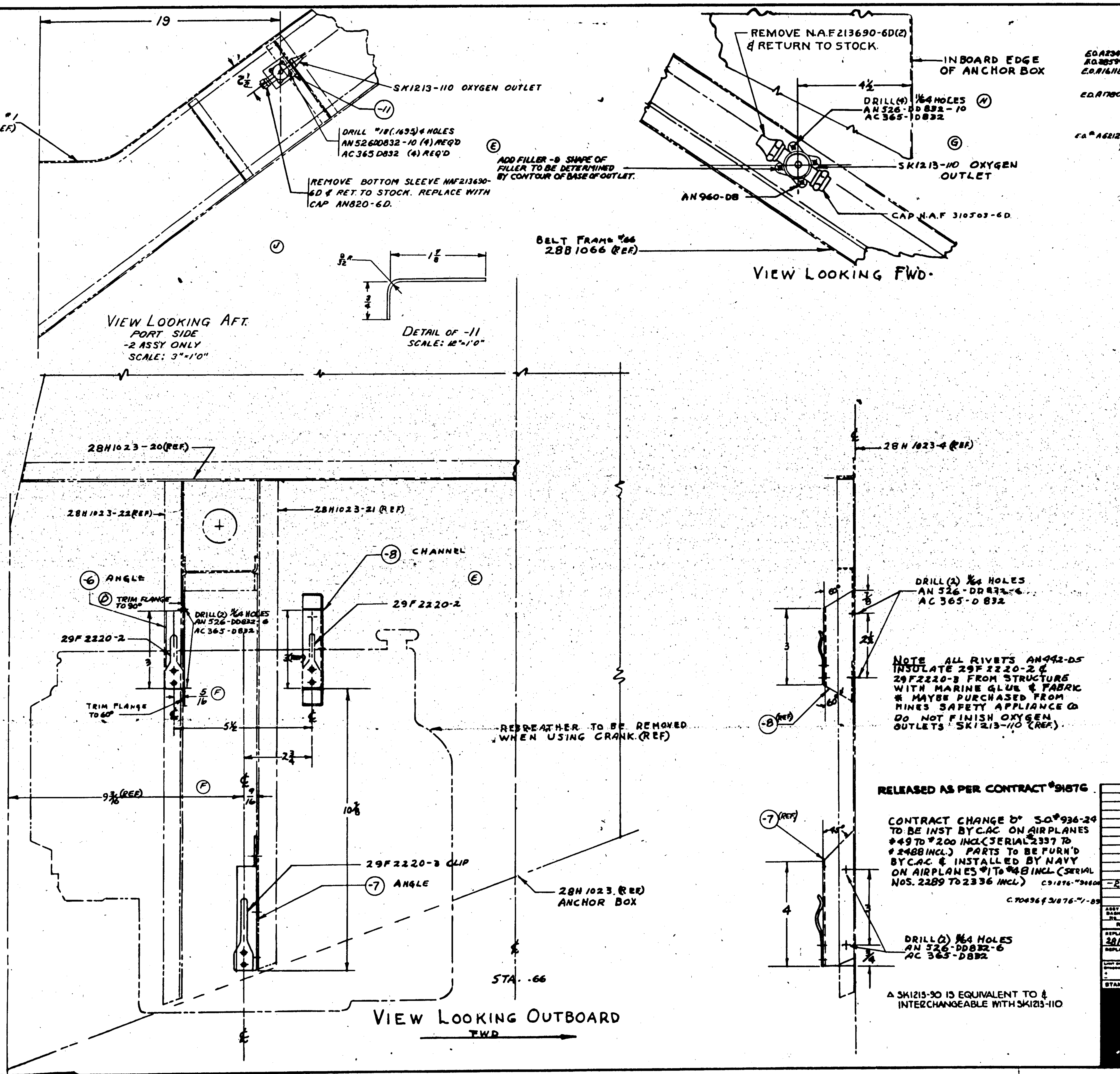
A C
NAVY NONE — HEAT TREAT
2AP — FINISH

DRAFT / CHECK / STRUCT. / MAT. / APPROV. / ENG.

NAME INSTALL.-FURN'S.-NAVIGATOR'S TABLE "A" BRACE REBREATHER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. G 28F5173



NOTE ALL RIVETS AN442-D5
INSULATE 29F2220-2 & 29F2220-3 FROM STRUCTURE WITH MARINE GLUE & FABRIC
* MAYBE PURCHASED FROM MINES SAFETY APPLIANCE CO
DO NOT FINISH OXYGEN OUTLETS SK1213-110 (REF.)

THIS DWG RELEASED AFTER RUSH RELEASE (RFF)

RELEASED AS PER CONTRACT #91876

CONTRACT CHANGE "D" S.O.#936-24 TO BE INST BY C.A.C ON AIRPLANES #49 TO #200 INCL (SERIAL 2337 TO #2488 INCL.) PARTS TO BE FURN'D BY C.A.C & INSTALLED BY NAVY ON AIRPLANES #1 TO #48 INCL (SERIAL NOS. 2289 TO 2336 INCL)

Δ SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110

LET	ALTERATION	DATE	BY
C	DWG. 28F5174 DATED 9/14/40 IS REPLACED BY DWG. 28F5?? DATED 3/12/41.	3/12/41	F.V.
D	CHANGED NOTE, TRIM 90° WAS 60° (E.O. A2347)	9-13-41	
E	ADDED NOTE & -2 ASSY TO B/M (E.O. 28590)	6-10-41	
F	93/16 DIM WAS 95/16. ADDED 5/16 & 1/16 DIMS. 5/32 RIVETS WERE 1/8 RIVETS W/NO WT. CHG. (E.O. A16118)		
G	SK1213-110 WAS SK1213-90 (NO WT. CHG.) (E.O. A17800)		
H	(4) 11/64 HOLES WAS 2 11/64 HOLES WT. CHG. NEG. AN526-DD832-10 (4 REQ) WAS (2 REQ) AC365-DD832 (10 REQ) WAS (8 REQ)	3-21-42	
J	CREATED -2 ASSY ADDED "VIEW LOOKING AFT" & DETAIL -11, NEG. WT CHG (E.O. # A62126)		
K	NOTE, "REMOVE NAF213690-6D(2) & RETURN TO STOCK" WAS — "REMOVE BOTTOM SLEEVE N.A.F.213690-6D & RETURN TO STOCK-REPLACE WITH CAP NAF.310503-6D." NO WT. CHG.	9-16-43	MORRIS
L	IN B/M ONLY, 29F2220-2 & -3 WERE 28F2220-2 & -3, ALL ASSYS. NO WT. CHG.		

REQUIREMENTS PER AIRPLANE

ASSY DASH NO	MODEL	NEXT ASSY	REQ.
-2	PBY-5	28F5156	1
	PBY-5A	28F5200	1
	PBY-5	28F5156	1

REPLACES 28F5174 DATED 9/14/40 — CALC WT .20
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN

PARTS LIST PER ASSY.

PART NO	STOCK	MATERIAL	SPEC.	REQ. -0 LH	REQ. -0 RH	REQ. -2 LH	REQ. -2 RH	REQ. -3	REQ. -4	REQ. -5
AN820-6D						1				
* SK1213-110 Δ				1		1				
NAF310503-6D				1						
AC365-DD832				10		10				
AN526-DD832-6				6		6				
AN960-D8				1						
AN526-DD832-10				4		4				
AN442-D5										
29F2220-3				1		1				
29F2220-2				2		2				
-11	.064X2 3/4X2	AL AL 24ST	47A8T			1				
-9	.064X1 1/2X2	ALCLAD	47A8 Cond T	1						
-8	Y10-53TX4 3/8	ALCLAD	47A8 Cond T	1		1				
-7	Y2-54TX5 3/8	ALCLAD	47A8 Cond T	1		1				
28F5174-6	Y2-54TX4 3/8	ALCLAD	47A8 Cond T	1		1				

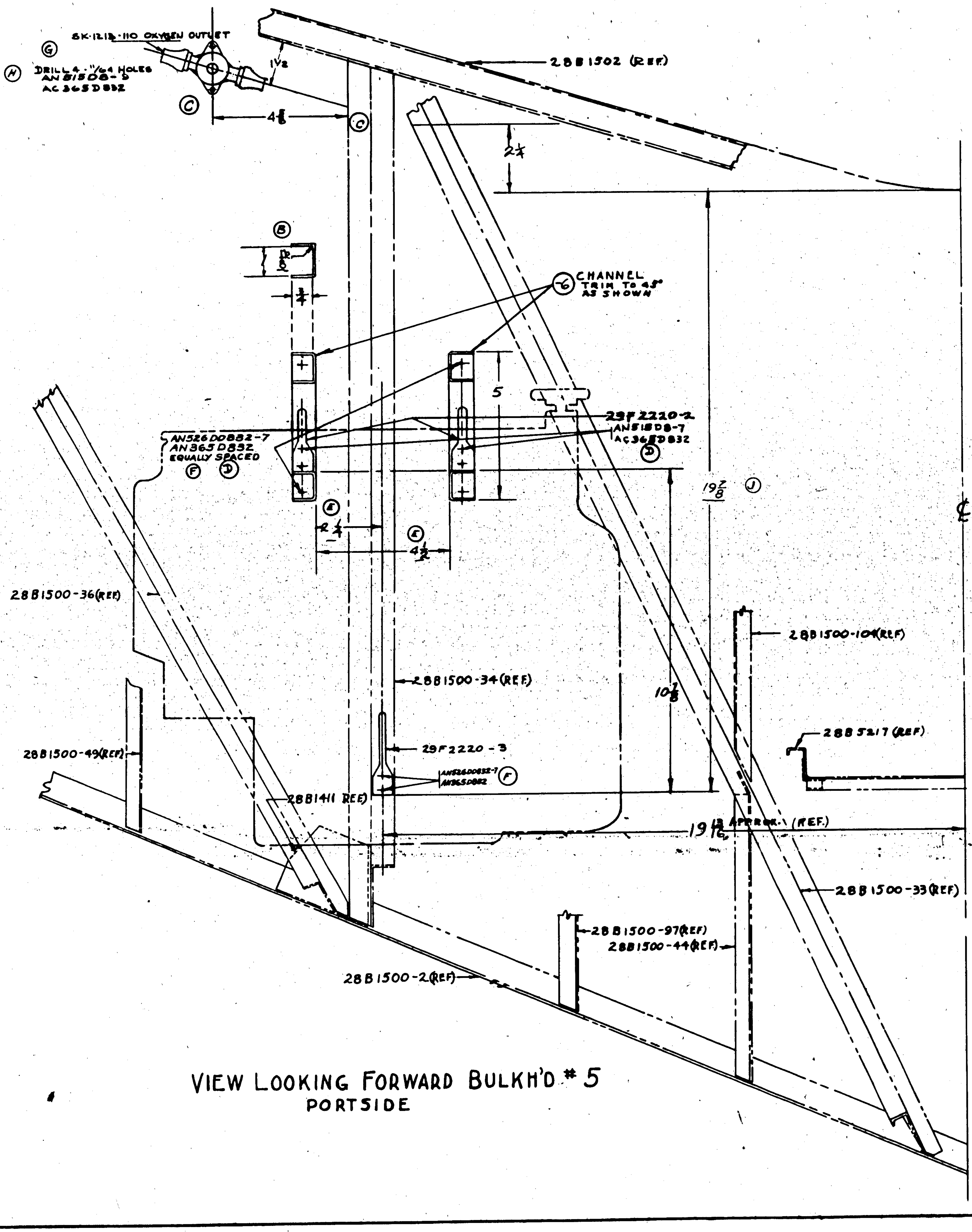
A C	—	DRAFT F.V. NELSON 3/13/41
NAVY NONE	2 AP	CHECK / STRUCT / MAT / APPROV / ENG
HEAT TREAT	FINISH	

NAME INST- FURNS- BOMBERS REBREATHER

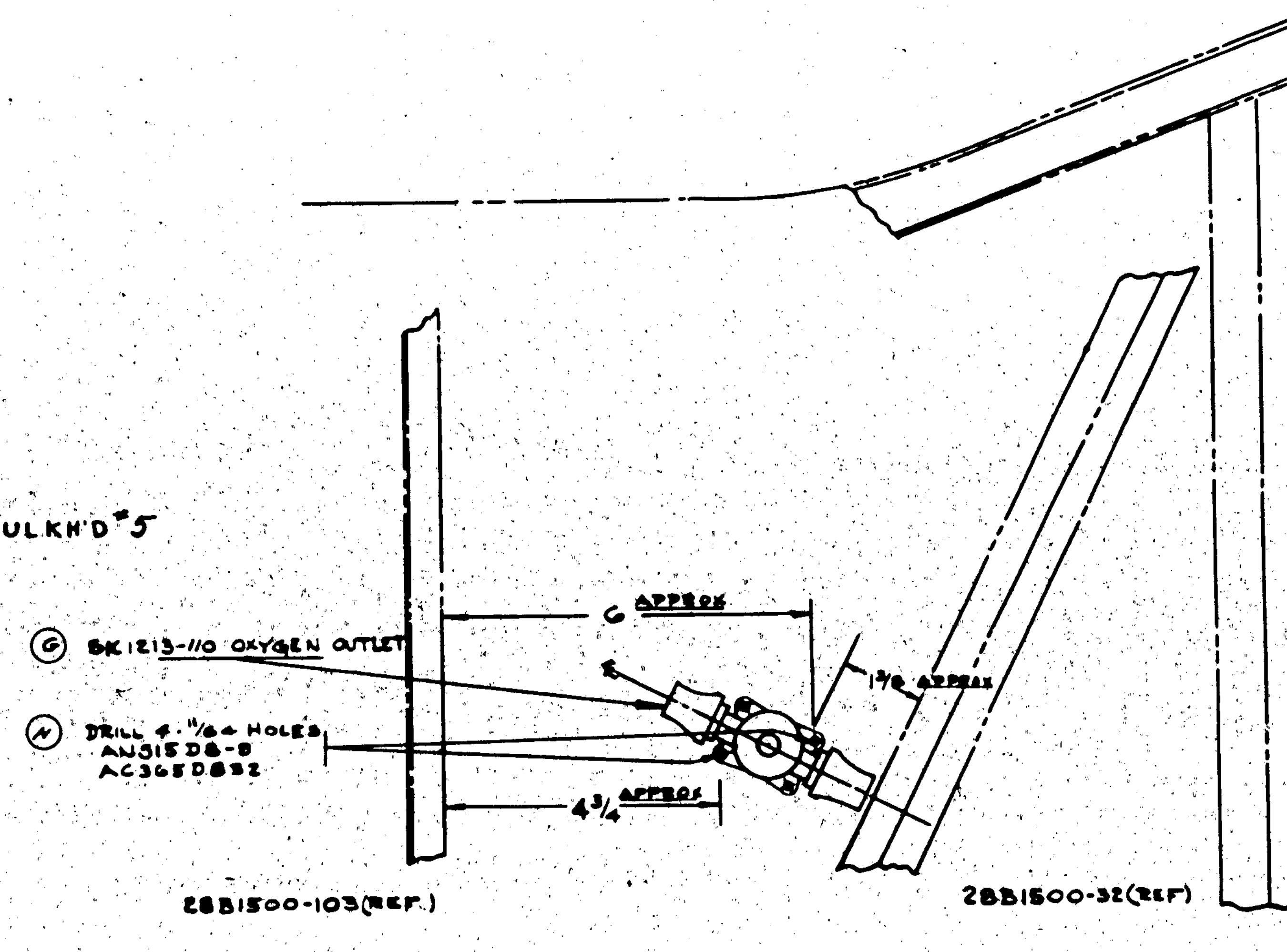
OPP. HAND — DWG SIZE G — DWG 28F5174

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F5174



VIEW LOOKING FORWARD BULKH'D # 5
PORTSIDE



POSITION OF OUTLET
ON STARB'D SIDE Ⓒ

RELEASED AS PER CONTRACT #[illegible]76

* SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110

NOTE - INSULATE 29F2220-3 & 29F2220-2 FROM STRUCTURE WITH MARINE GLUE & FABRIC
FINISH -6 Z-P
FINISH ASSEM ZAP
ALL RIVETS TO BE AN 442- D4

CONTRACT CHANGE "O" SO #936-24 TO BE INSTALLED BY C.A.C. ON AIRPLANES # 49 TO 167 INCL. (SERIAL NOS. 2337 TO 2455 INCL). PARTS TO BE FURN'D BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO #48 INCL. (SERIAL NOS 2289 TO 2336 INCL)

Ⓐ NOTE - DO NOT FINISH OXYGEN OUTLETS SK1213-110 (REF.) Ⓖ

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	E.O. [illegible] NOTE ADDED	[illegible]	[illegible]
				B	1 1/2 WAS 1 1/16	[illegible]	[illegible]
				C	CHG'D POSITION OF SK1213-90 & REMOVED NOTE ADDED OUTLET ON STB'D SIDE	[illegible]	[illegible]
				D	RIVETS ATTACHING -6 & 29F2220-2 CHG'D TO AN515D8-7 (8) & AC365D832 (8)	[illegible]	[illegible]
				E, F	[illegible] DIM WAS [illegible] : 2 1/4 DIM WAS 2 [illegible]; AN526D0832-7 & AN365D832 ADDED TO ATTACH 29F2220-3 TO Z STRINGER & TO ATTACH -6	[illegible]	[illegible]
				G	SK1213-110 WAS SK1213-90 (WT. CHG. NEG.)	[illegible]	[illegible] E.O. [illegible]
				H	(4) 11/64 HOLES WAS (2) 11/64 HOLES (WT. CHG. NEG.) AN515D8-9 (8 REQ) WAS (4 REQ) AC365-D832 (42 REQ) WAS (40 REQ)	[illegible]	CARLSON
				J	DIM 19 7/8 WAS 20 [illegible] (NO WT. CHG.)	[illegible]	[illegible] E.O. [illegible]

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
* SK1213-110	MINES SAFETY APPL. Co.			1	1								
AN526D0832-7				10	10								
AN442- D4													
AN515 D8-9				4	4								
AC365-D832				22	22								
AN515 D8-7				8	8								
[illegible]				1	1								
29F2220-3				1	1								
29F2220-2				2	2								
29F5175-6	.051 x 2 3/8 x 5 1/4	AL ALLOY	47A10 (Cond)	2	2								

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-R	PBY-5	28F5155	1
-L	PBY-5	28F5156	1

REQUIREMENTS PER AIRPLANE

REPLACES | .391 CALC. WT.
REPLACED BY | ACT. WT.
LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

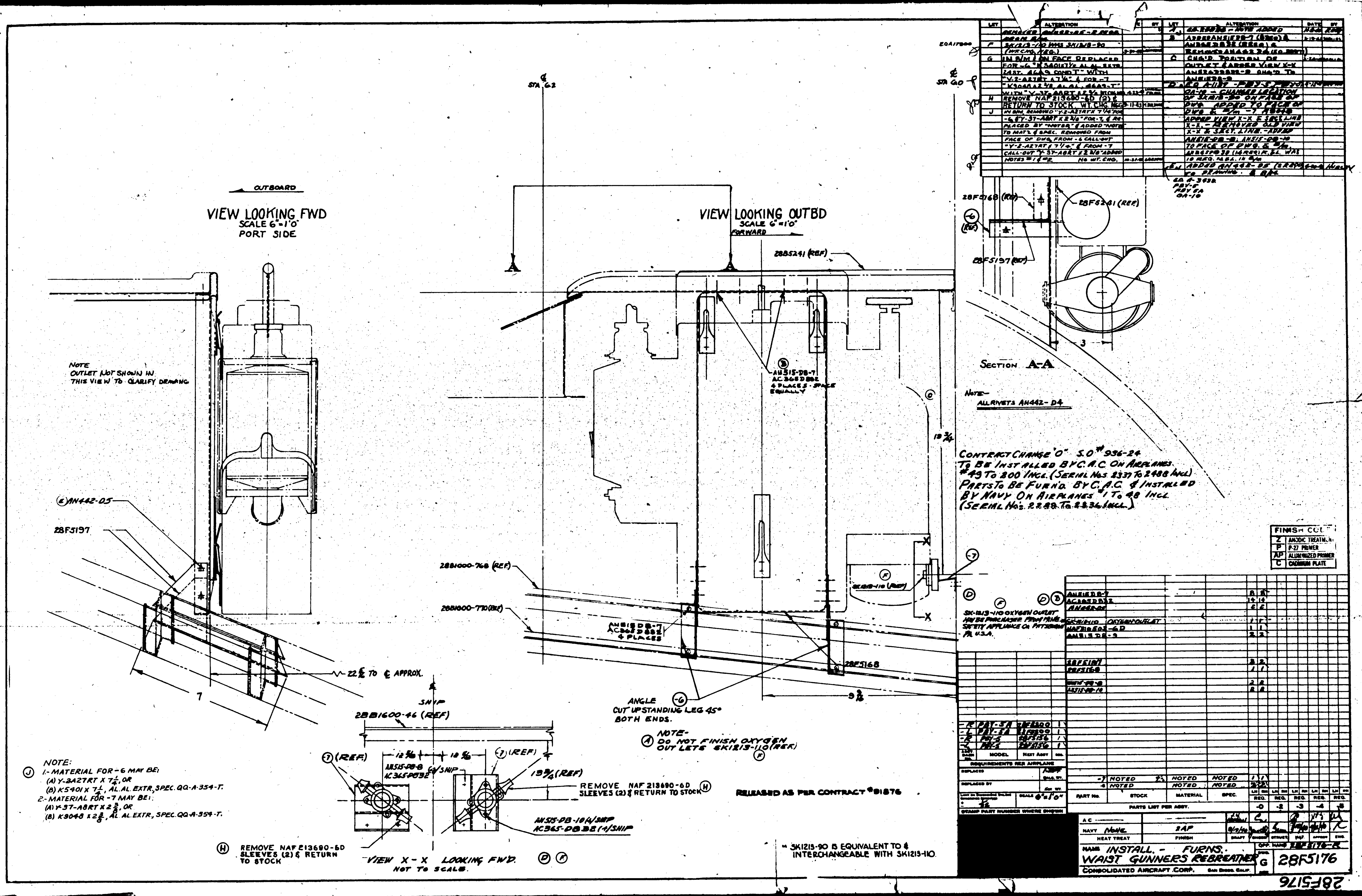
A.C. | NAVY NONE | HEAT TREAT
NOTED | FINISH
DRAFT: NELSON 8/14/40 | CHECK | STRUCT | MAT | APPROV | ENG

NAME: INSTALLATION - FURNS. LIVING COMPARTMENT REBREATHER

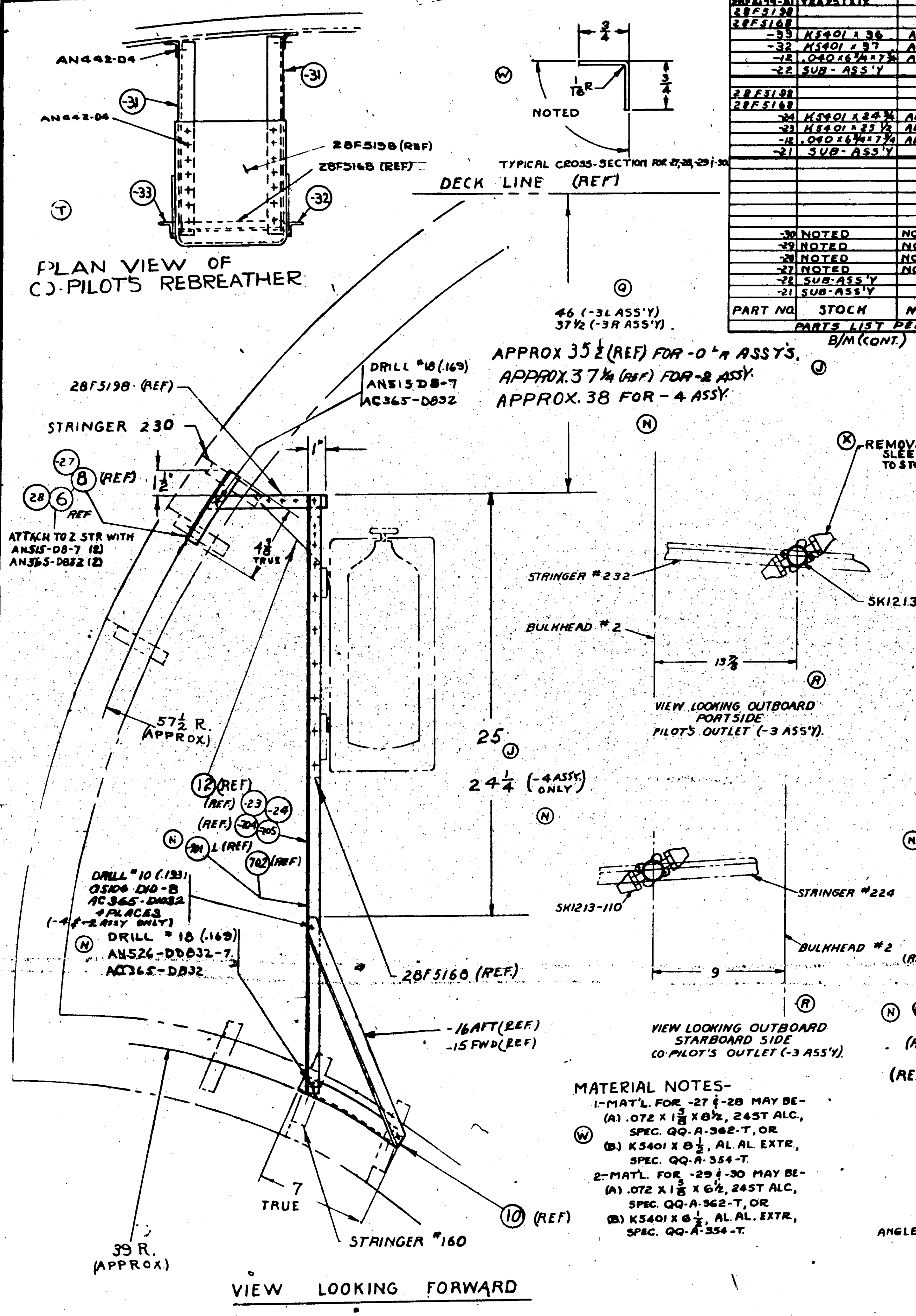
OPP. HAND 28F5175-R

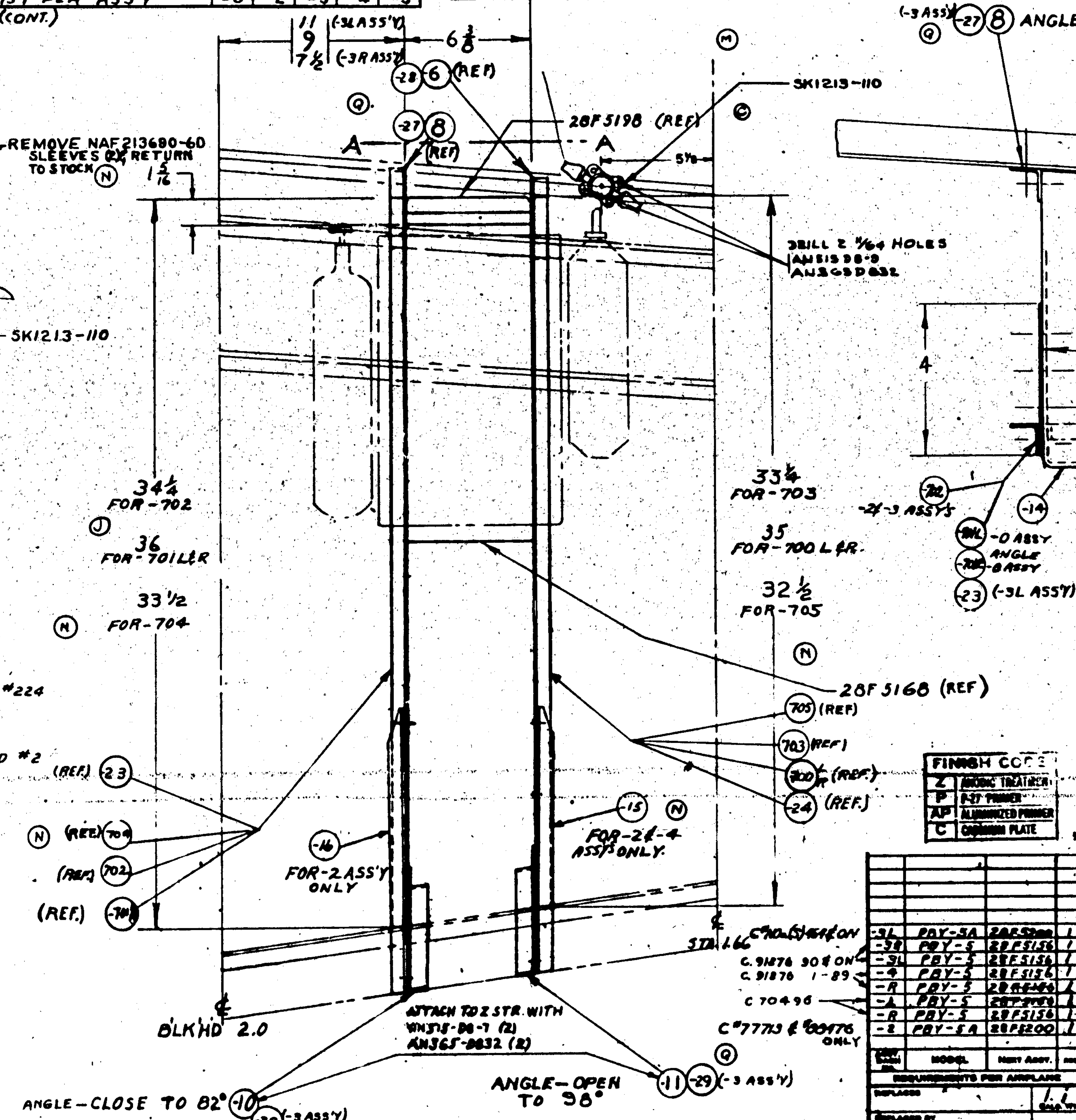
DWG. SIZE G — 28F5175

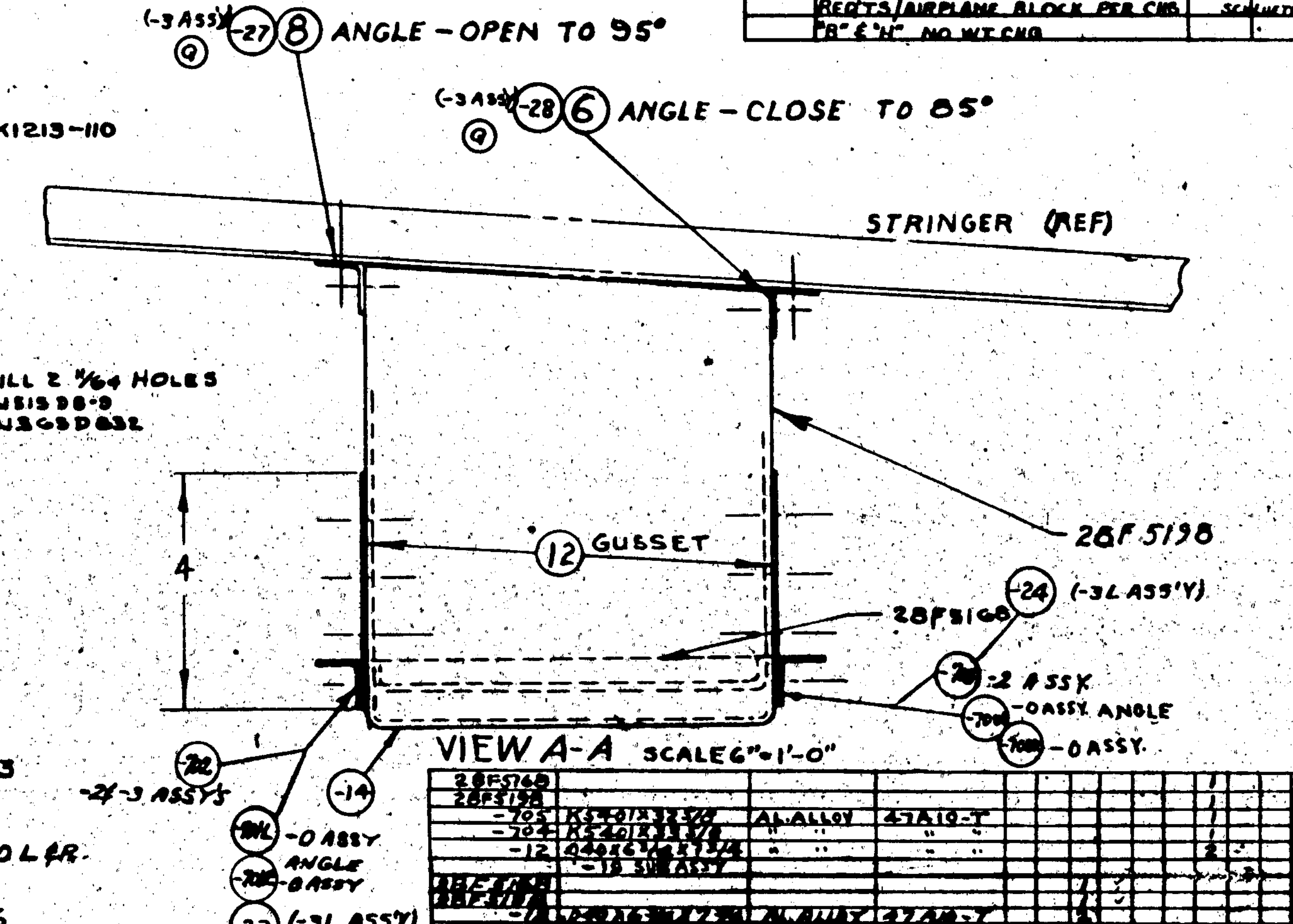
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



VIEW LOOKING FWD
SCALE 6"=1'0"
PORT SIDE
OUTBOARD
NOTE
OUTLET NOT SHOWN IN THIS VIEW TO CLARIFY DRAWING
(E) AN442-05
28F5197
22 ½ TO ℄ APPROX.
7
VIEW LOOKING OUTBD
SCALE 6"=1'0"
FORWARD
℄ STA 62
℄ STA 60
28B5241 (REF)
AN515-D8-7
AC365D832
4 PLACES - SPACE EQUALLY
28B1000-768 (REF)
28B1000-770 (REF)
AN515D8-7
AC365D832
4 PLACES
28F5168
ANGLE
CUT UPSTANDING LEG 45° BOTH ENDS.
9 ⅝
13 ¾
SK1213-110 (REF)
NOTE-
DO NOT FINISH OXYGEN OUTLETS SK1213-110 (REF.)
28F5168 (REF)
28F5261 (REF)
28F5197 (REF)
SECTION A-A
NOTE-
ALL RIVETS AN442-D4
CONTRACT CHANGE "O" S.O. # 936-24
TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO 200 INCL. (SERIAL NOS. 2337 TO 2488 INCL.)
PARTS TO BE FURN'D. BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO 48 INCL. (SERIAL NOS. 2289 TO 2336 INCL.)
SK-1213-110 OXYGEN OUTLET MAY BE PURCHASED FROM MINE SAFETY APPLIANCE CO. PITTSBURGH PA. U.S.A.
NOTE:
1.- MATERIAL FOR -6 MAY BE:
(A) Y-2A27RT X 7¼, OR
(B) K5401 X 7¼, AL. AL. EXTR, SPEC. QQ-A-354-T.
2.- MATERIAL FOR -7 MAY BE:
(A) Y-37-A8RT X 2⅜, OR
(B) K9048 X 2⅜, AL. AL. EXTR, SPEC. QQ-A-354-T.
SHIP
28B1600-46 (REF)
(7) (REF)
AN515-D8-8
AC365-D832
12 ⅜
10 ⅝
13 ¾ (REF)
REMOVE NAF 213690-6D SLEEVES (2) & RETURN TO STOCK
AN515-D8-10 (4/SHIP)
AC365-D832 (4/SHIP)
VIEW X-X LOOKING FWD.
NOT TO SCALE.
REMOVE NAF 213690-6D SLEEVES (2) & RETURN TO STOCK
RELEASED AS PER CONTRACT #91876
* SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5A
PBY-6A
PBY-5
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
-7 NOTED
-6 NOTED
SCALE 6"=1'0"
NAVY NONE
2AP
HEAT TREAT
FINISH
INSTALL. - FURNS.
WAIST GUNNERS REBREATHER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
G 28F5176
28F5176







PART NO.	STOCK	MAT'L.	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
[illegible]				2									
28F5198				1									
28F5168				1									
-33	K5401 x 36	AL. ALL.	46A9-T	1									
-32	K5401 x 37	AL. ALL.	46A9-T	1									
-12	.040 x 6¾ x 7¾	AL. ALL.	47A10-T	2									
-22	SUB-ASS'Y												
28F5198				1									
28F5168				1									
-24	K5401 x 24¾	AL. ALL.	46A9-T	1									
-23	K5401 x 25½	AL. ALL.	46A9-T	1									
-12	.040 x 6¾ x 7¾	AL. ALL.	47A10-T	2									
-21	SUB-ASS'Y												
-30	NOTED	NOTED	NOTED					1	1				
-29	NOTED	NOTED	NOTED					1	1				
-28	NOTED	NOTED	NOTED					1	1				
-27	NOTED	NOTED	NOTED					1	1				
-22	SUB-ASS'Y								1				
-21	SUB-ASS'Y							1					

PARTS LIST PER ASS'Y
B/M (CONT.)

LET	ALTERATION	DATE	BY
V	IN REQ'TS/AIRPLANE BLOCK LIMITED -2 FOR PBY-5A TO C[illegible] [illegible] NO WT. CHG.	[illegible]	[illegible]
W	IN B/M FOR -27 & -28 REPLACED K5401 [illegible] AL. AL. 46A9-T WITH "NOTED" FOR -29 & -30 REPLACED K5401 [illegible] AL. AL. 46A9-T WITH "NOTED" TO FACE. ADDED MAT'L NOTES 1 & 2 & TYPICAL CROSS-SECTION FOR -27, -28, -29 & -30. WT. CHG. NEG.	8-18-43	[illegible]
X	REMOVE NAF213690-6D SLEEVES (2) & RETURN TO STOCK. WT. CHG. NEG.	9-11-43	[illegible]

REF.	LET	ALTERATION	DATE	BY
E.D.C. #1507	H	CANCELLED -R ASSY FOR PBY-5 [illegible]	[illegible]	[illegible]
E.O. A12516	J	CREATED -2 & -3 ASSYS TO REPLACE -0 L ASSY FOR PBY-5A; ADDED -14, -15, -17 SUB ASSY, G5106-D10-8 & AC365-D832	[illegible]	[illegible]
	K	CANCELLED -3 ASSY & REMOVED NOTE REGARDING -R FOR PBY-5 [illegible]		
	L	RELEASED -2 ASSY L & R ASSY FOR PBY-5 CONTRACT NO. 91876		
E.O.A17800	M	SK1213-110 WAS [illegible]		
E.O.A34040	N	CREATED -4 ASSY & -19 SUB ASSY. ADDED 1 9/16 DIM. (NEG WT. CHG)	[illegible]	[illegible]
	P	IN B/M -700L 35⅛ WAS 35, -701L 36⅛ WAS 38, -700R 35⅛ WAS 35, -701R 36⅛ WAS 35, -702 34⅛ WAS 33¼, -703 33⅞ WAS 33¾. (NEG WT. CHG)	[illegible]	[illegible]
E.O.A62131	Q	CREATED -3 ASS'Y FOR PBY-5 C. 91876 #90 & ON. WT. CHG NEG	[illegible]	[illegible]
E.O.A62133	R	ADDED VIEWS LOOKING OUTBOARD SHOWING SK1213-110 FOR -3 ASS'Y. NO WT. CHG	[illegible]	[illegible]
E.O.A64226	S	-29 LENGTH 6½ WAS 6, -30 LENGTH 6½ WAS 6¼. WT. CHG. NEG.	[illegible]	[illegible]

LET	ALTERATION	DATE	BY
A	NOTE ADDED	[illegible]	[illegible]
B	REQUIREMENT FOR R.H. ON PBY-5A REMOVED	[illegible]	[illegible]
C	CHG'D POSITION OF OUTLET [illegible] NOTE REMOVING LOWER SLEEVE. AN526-D832-8 CHG'D TO AN515D8-9	[illegible]	[illegible]
D	CREATED -14 SUB ASSY CONSISTING OF -12, -R & -9	[illegible]	[illegible]
E	ADDED TO DWG & B/M AN515-D8-7 (12 REQ) WAS (4 REQ); AN365-D832 (14 REQ) WAS (6 REQ)	[illegible]	[illegible]
F	[illegible]	[illegible]	[illegible]
G	ON FACE OF DWG CHANGED -7 [illegible] TO -700 L & R ... B/M ADDED -701 L & R MADE FROM -9 L & R -702 L & R MADE FROM -7 L & R REMOVED REQ FOR -7 L & R & -9 L & R & REARRANGED B/M	[illegible]	[illegible]
T	ADDED -31 (Y2A25T x 12) TO -22 SUB-ASSY & PLAN VIEW OF CO-PILOTS REBREATHER, -33 (K5401 x 36) WAS -25 (K5401 x 39½) & -32 (K5401 x 37) WAS -26 (K5401 x 35½) WT. CHG. [illegible]	[illegible]	ROSS
U	-R FOR PBY-5A REMOVED FROM REQ'TS/AIRPLANE BLOCK PER CHG "B" & "H". NO WT. CHG.	[illegible]	[illegible]

MATERIAL NOTES-

1-MAT'L. FOR -27 & -28 MAY BE-
(A) .072 X 1⅝ X 8½, 24ST ALC, SPEC. QQ-A-362-T, OR
(B) K5401 X 8½, AL. AL. EXTR, SPEC. QQ-A-354-T.

2-MAT'L. FOR -29 & -30 MAY BE-
(A) .072 X 1⅝ X 6½, 24ST ALC, SPEC. QQ-A-362-T, OR
(B) K5401 X 6½, AL. AL. EXTR, SPEC. QQ-A-354-T.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART NO.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
28F5168										1			
28F5198										1			
-705	K5401 x 32⅝	AL. ALLOY	47A10-T							1			
-704	K5401 x 33⅝	"	"							1			
-12	.040 x 6¾ x 7¾	"	"							2			
-13	SUB ASSY												
[illegible]							1						
[illegible]							1						
-12	[illegible]	AL. ALLOY	47A10-T				2						
-703	K5401 x 33⅞	"	46A9-T				1						
-702	K5401 x 34⅛	"	"				1						
-19	SUB ASSY												
[illegible]						1							
28F5198						1							
-12	.040 x 6¾ x 7¾	AL. ALLOY	47A10-T			2							
-701R	K5401 x 36⅛	"	46A9-T			1							
-700R	K5401 x 35⅛	AL. ALLOY	46A9-T			1							
-14R	SUB ASSY												
28F5168				1									
28F5198				1									
-12	.040 x 6¾ x 7¾	AL. ALLOY	47A10-T	2									
-701L	K5401 x 36⅛	"	46A9-T	1									
-700L	K5401 x 35⅛	AL. ALLOY	46A9-T	1									
-14L	SUB ASSEMBLY												
* SK1213-110	MINES SAFETY APPLIANCE CO.			1	1	1		1	1	1			
G5106-D10-8						4				4			
AN442-D4													
AN515D8-7				12	12	12		12	12	12			
AN515D8-9				2	2	2		2	2	2			
AC365-D832						4				4			
AN365-D832				14	14	14		14	14	14			
-19	SUB ASSY									1			
-17	SUB ASSY					1							
-16	K5401 x 18½	AL. ALLOY	46A9-T			1				1			
-15	K5401 x 18	AL. ALLOY	46A9-T			1				1			
-14R	SUB ASSY				1								
-14L	SUB ASSY			1									
-11	K5401 x 8	AL. ALL.	46A9-T	1	1	1				1			
-10	K5401 x 7½			1	1	1				1			
-8	K5401 x 8			1	1	1				1			
-4	K5401 x 5	AL. ALL.	46A9-T	1	1	1				1			

PARTS LIST PER ASSY.

ASSY. DASH NO.	MODEL	NEXT ASSY.	NO.
-3L	PBY-5A	28F5200	1
-3R	PBY-5	28F5156	1
-3L	PBY-5	28F5156	1
-4	PBY-5	28F5156	1
-R	PBY-5	28F5156	1
-L	PBY-5	28F5156	1
-R	PBY-5	28F5156	1
-2	PBY-5A	28F5200	1

REQUIREMENTS FOR AIRPLANE

C. 91876 #90 & ON
C. 91876 1-89
C 70496
C# 77713 & #83476 ONLY

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
SCALE 3"=1'-0" & NOTED

CONTRACT CHANGE "O" #30 936-24 TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO 200 INCL. (SERIAL NOS. 2337 TO 2488 INCL.) PARTS TO BE FURN'D BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES 1 TO 48 INCL. (SERIAL NOS. 2289 TO 2336 INCL.)

NOTE: ALL RIVETS TO BE AN442-D4 RIVET APPROX. AS SHOWN IN ALL PLACES.

* SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110

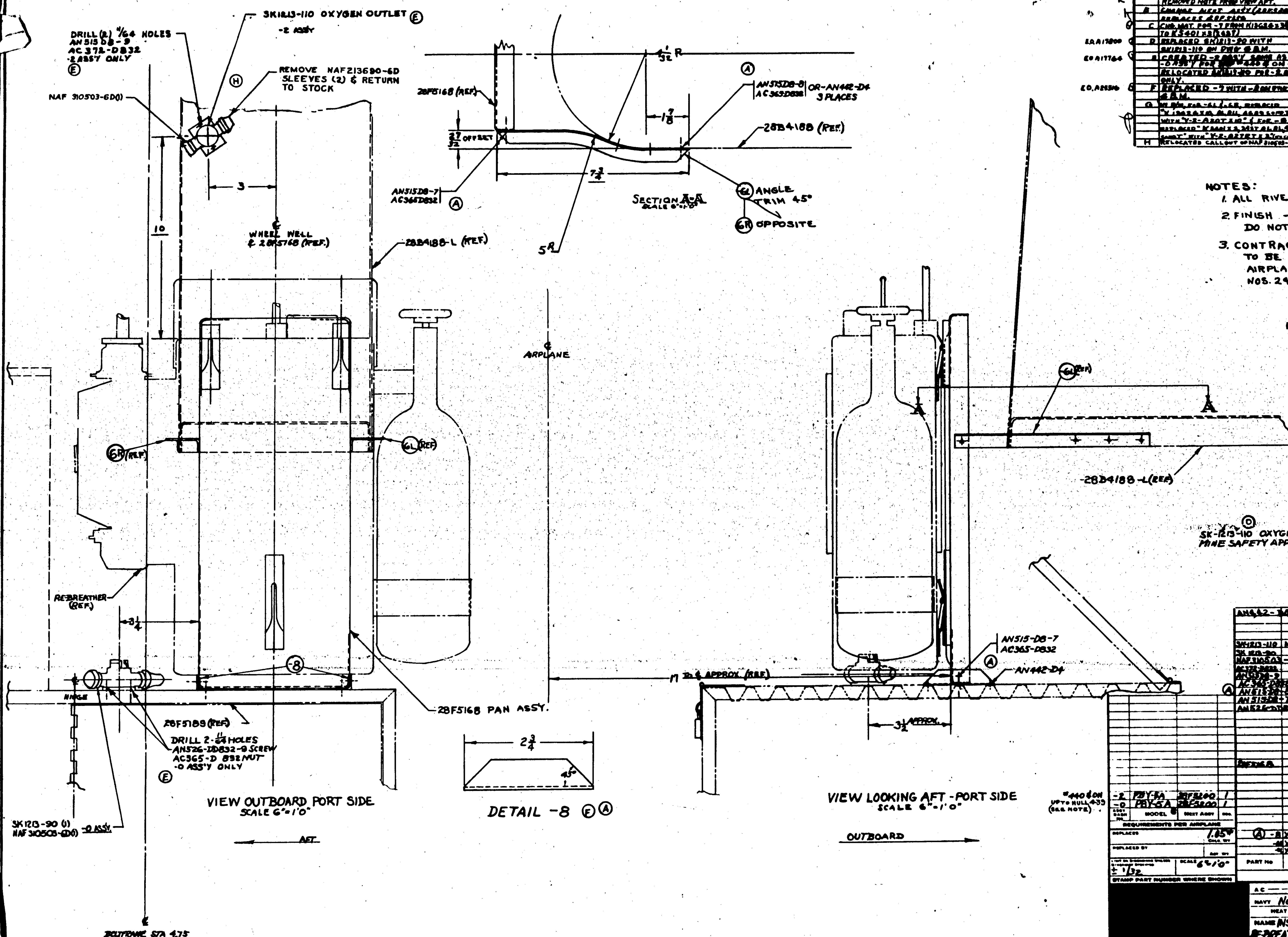
A.C.	
NAVY	NONE
HEAT TREAT	
FINISH	Z-P DETAILS, ZAP INSTALLATION

NAME: INSTALL. FURNS. - PILOTS & CO-PILOT'S REBREATHER

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

DWG. G 28F5179

28F5179



NOTES:

1. ALL RIVETS TO BE AN442-D4
2. FINISH -6L & -6R Z-P. FINISH INST. 2GP DO NOT FINISH OXY. OUTLET.
3. CONTRACT CHANGE "B" S.O. #936-24 TO BE INSTALLED BY C.A.C. ON AIRPLANES #168 TO #200 INCL (SERIAL NOS. 2456 TO 2488 INCL)

FINISH CODE:
Z=ANODIZE
P= P27 PRIMER
GP=GREEN PRIMER

Ⓓ SK-1213-110 OXYGEN OUTLET MAY BE PURCHASED FROM MINE SAFETY APPLIANCE COMPANY-PITTSBURGH-PA.

-2 PBY-5A 28F5100
-0 PBY-5A 28F5200

NAME INSTALLATION-FURN'S-MECHANICS REBREATHER-LOWER STA. 4.0 TO 5.0

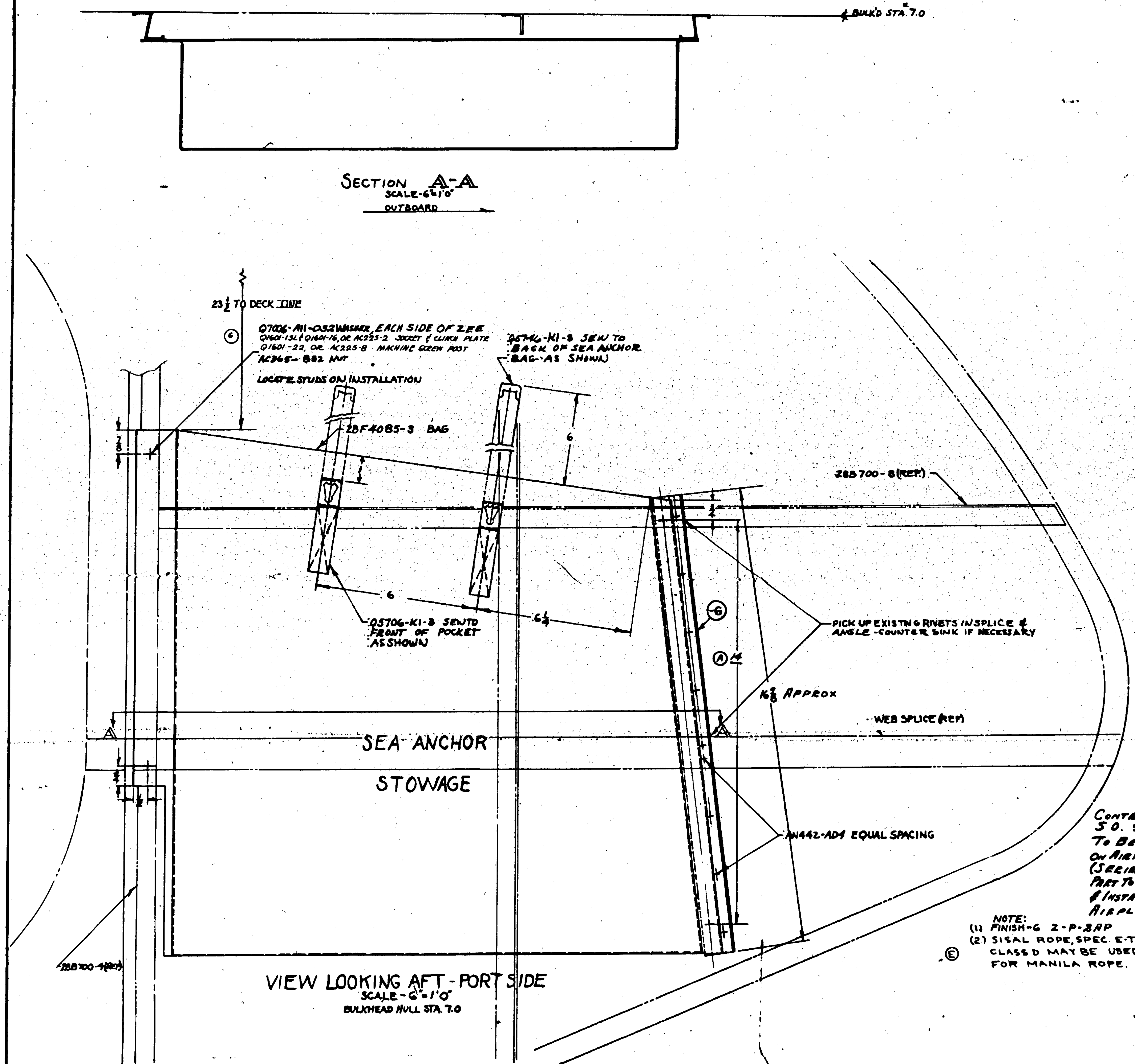
NAVY NONE — HEAT TREAT — NOTED — FINISH

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F5184

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	MAT. WAS Q5706-K1-8 WAS 14¾	6-8-41	[illegible]				
B	CREATED -5B ASSY.	3-28	[illegible]				
C	ADDED MANILA ROPE(2) 1½" CIRCUM & AN8006-1(2) SEA ANCHOR & MANILA ROPE(2) 1½" IN CIRCUM TO B/M	[illegible]	[illegible]				
D	(-6) MATERIAL SPEC. WAS 46A10-T	[illegible]	[illegible]				
E	NOTE(2): "SISAL -- ROPE" ADDED ALSO SPEC. "T-R-601" (NEG. WT. CHG.)	2-8-42	[illegible]				
F	IN B/M, FOR -6, REPLACED "K9048 X 17⅛, AL. ALLOY EXT. 24ST, 46A9 CONDT." WITH "Y-37-ASSY X 17⅛" (WT. CHG. NEG.)	4-21-43	KNIGHT				
G	IN B/M, ADDED Q1601-15L(4), Q1601-16(4) & Q1601-22(4); AT AC225-2, -8 & Q1601-15L, -16, -22, ADDED "SEE NOTE" ON FACE. REPLACED CALLOUT AC225-2 SOCKET & CLINCH PLATE WITH NOTE: "Q1601-15L & Q1601-16 OR AC225-2 SOCKET & CLINCH PLATE." REPLACED CALLOUT AC225-8 MACHINE SCREW POST WITH NOTE: "Q1601-22 OR AC225-8 MACHINE SCREW POST." NO WT CHG.	9-27-43	HOOK				

E.A. 506001
A.7627 28-5MN
E.O. A12406 28-5MN



CONTRACT CHANGE "J"
S.O. 936-17
TO BE INSTALLED BY C.A.C. ON AIRPLANES 85 TO 200 INCL (SERIAL No's 2313 TO 2488 INCL) PART TO BE FURNISHED BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO #24 INCL

C-30706 & C-31874 #1-586

NOTE:
(1) FINISH-G Z-P-ZAP
(2) SISAL ROPE, SPEC. E-T-R-601a CLASS D MAY BE USED AS ALTERNATE FOR MANILA ROPE.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	[illegible] REQ.	-3 REQ.	-4 REQ.	-5 REQ.
AN442-AD4								
AC225-2	(SEE NOTE)			4	4			
AC225-8	(SEE NOTE)			4	4			
AC365-832				4	4			
Q5746-K1-8				2	2			
Q5706-K1-8				2	2			
Q7006-A11-032				8	8			
28F4085-4					1			
28F4085-3				1				
Q1601-22	(SEE NOTE)			4	4			
Q1601-16	(SEE NOTE)			4	4			
Q1601-15L	(SEE NOTE)			4	4			
MANILA ROPE	1½" IN CIRCUM		T-R-601		2			
AN8006-1	SEA ANCHORS				2			
MANILA ROPE	1½" IN CIRCUM		T-R-601		2			
-6	Y-37-ASSY X 17⅛			1	1			

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-0	PB2-5A	28F6002	1
-5B	28-5AMN	28F6005	1
-5B	28-5AMY	[illegible]	1
-0	PBY-5	28F1002	1

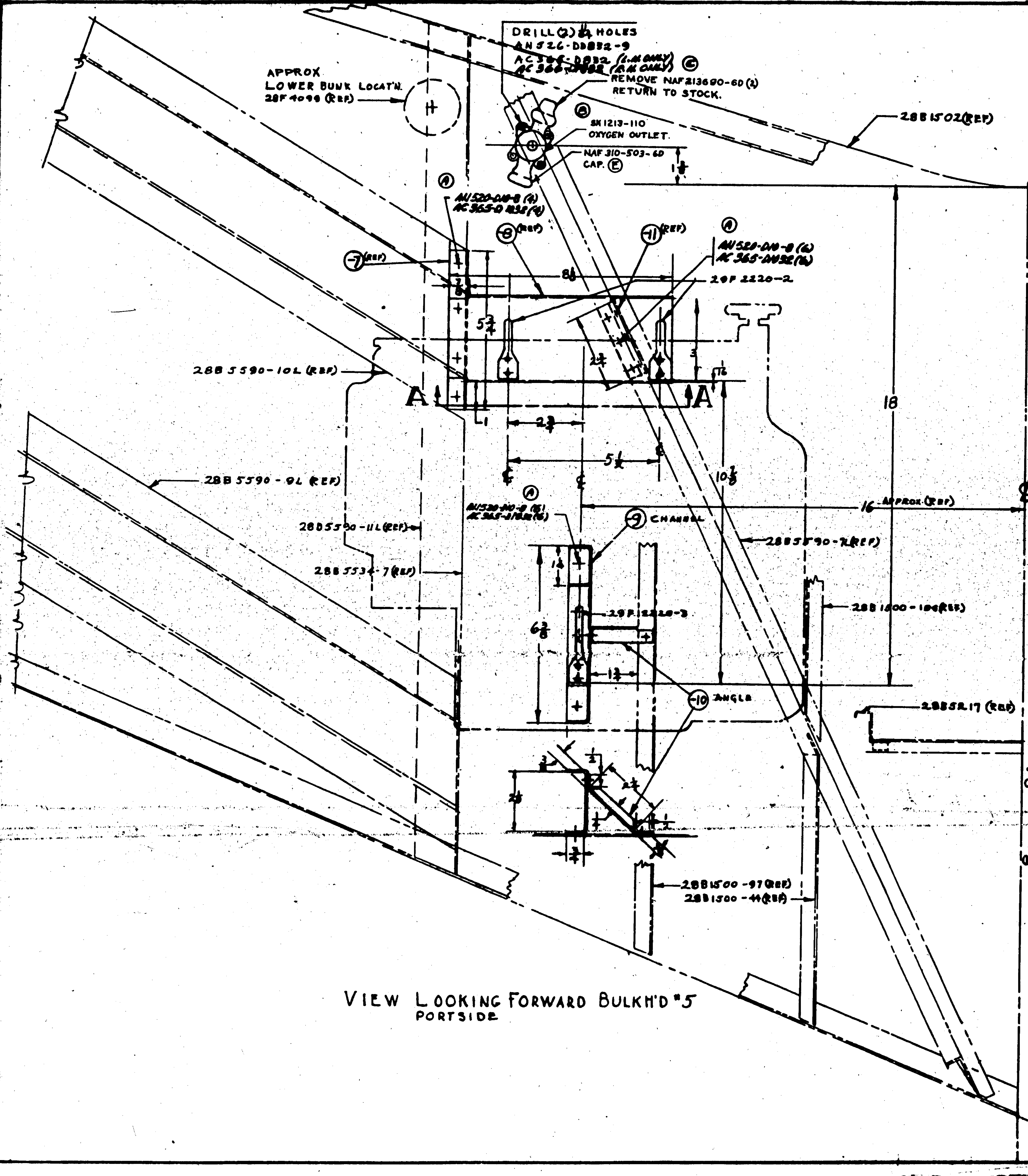
REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 1.77
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN

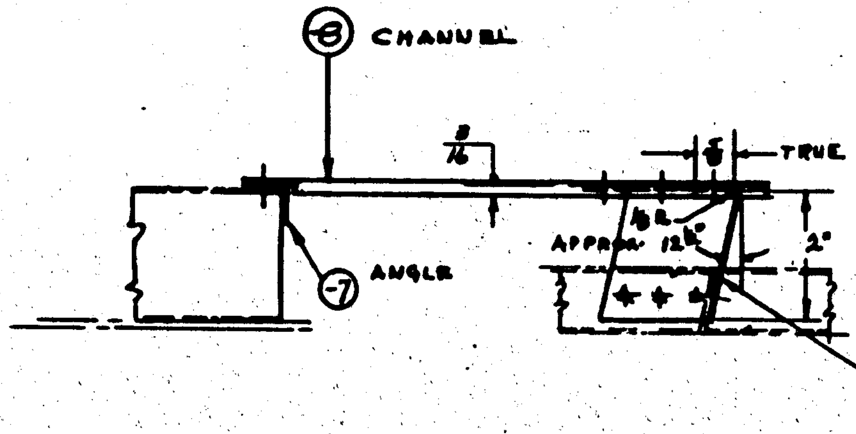
NAVY NONE — HEAT TREAT
NOTED — FINISH
DRAFT: JH [illegible] 2-26-40 — CHECK — STRESS — MAT. 9/4/40 — APPROV. — ENG.

NAME: INSTALLATION-FURN'S. SEA ANCHOR STOWAGE BAG
G — 28F5185
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F5185



VIEW LOOKING FORWARD BULKH'D #5
PORTSIDE



SECTION A-A
SCALE 6" = 1'-0"

MATERIAL NOTES-
1- MAT'L. FOR -7 MAY BE-
(A) Y-2-A27RT X 6, OR
(F) (B) K5401 X 6, AL. AL. EXTR., SPEC. QQ-A-354-T.
2- MAT'L. FOR -10 MAY BE-
(A) Y-2-A12T X $3\frac{3}{8}$, OR
(B) K6240 X $3\frac{3}{8}$, AL. AL. EXTR., SPEC. QQ-A-354-T.

- NOTE - INSULATE 29F2220-2 & 29F2220-3
(A) FROM STRUCTURE WITH MARINE GLUE & FABRIC.
DO NOT FINISH OXY. OUTLET
FINISH -6-7-8-9-10 -2-P (ANODIZE-P27 PRIMER)
FINISH ASSEM. 2-5P (2 GREEN PRIMER)
- ALL RIVETS AN442-D4

(B) CONTRACT CHANGE "O" SO# 936-24
TO BE INSTALLED BY C.A.C. ON AIRPLANE # 168 TO 200 INCL (SERIAL NO'S 2456 TO 2488 INCL).

*SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110

LET	ALTERATION	DATE	BY
E (CONT)	213690-6D & RETURN TO STOCK. REPLACE WITH CAP." WT. CHG. NEG.	9-11-42	
F	IN S/M, FOR -7, REPLACED "Y-2-A27RT X 6" WITH "NOTED", FOR -10, REPLACED "Y-2-A12T X 3 3/8" WITH "NOTED". ADDED MAT'L NOTES #1 & 2. NO WT. CHG.		

LET	ALTERATION	DATE	BY
A	AN520-D10-8 AND AC365-D1032 ADDED. AN442-D4 RIVETS - ADDED NOTE: 4 RIVETS EQUALLY SPACED. WGT. CHG. NEG.	3-21-42	
B	SK1213-110 WAS SK-1213-90. WGT. CHG. NEG.	3-21-42	
C	REPLACED AC366-DD832 WITH AC366-DE832 (2) ON R.H. ASSY ONLY. WGT. CHG. NEG.	3-21-42	
D	IN S/M, FOR -10, REPLACED "K6240 X 3 3/8 AL. ALLOY, 24ST-T" WITH "Y-2-A12T X 3 3/8", FOR -7, REPLACED "K5401 X 6, AL. ALLOY, 24ST-T" WITH "Y-2-A27RT X 6"	4-27-42	
E	RELOCATED CALL-OUT OF SK1213-110, OXYGEN OUTLET. RELOCATED CALL-OUT OF NAF 310-503-6D, CAP. NOTE "REMOVE --- STOCK" WAS "REMOVE BOTTOM SLEEVE NAF		

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
AN442-D4													
29F2220-2				2	2								
-8	.040 X 8 1/2 X 6 1/2	AL. ALL.	47A10 T	1	1								
-7	NOTED	NOTED	NOTED	1	1								
-6	ASS'Y			L	R								
AC366-DE832				-	2								
AC366-DD832													
AN520-D10-8													
NAF 310-503-6D				1	1								
SK1213-110 MINES SAFETY APPLIANCE Co *				1	1								
AC366-DD832				2									
AN526-DD832-9				2	2								
AN442-D4													
29F2220-3				1	1								
-11	.040 X CUT OFF	AL. ALLOY	47A10 T	1	1								
-10	NOTED	NOTED	NOTED	1	1								
-9	.040 X 3 X 6 1/2	AL. ALLOY	47A10 COND T	1	1								
-5	ASS'Y				1								
-4	ASS'Y			1									

PARTS LIST PER ASSY.

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
-R	PBY-5A	28F5200	1
-L	PBY-5A	28F5200	1

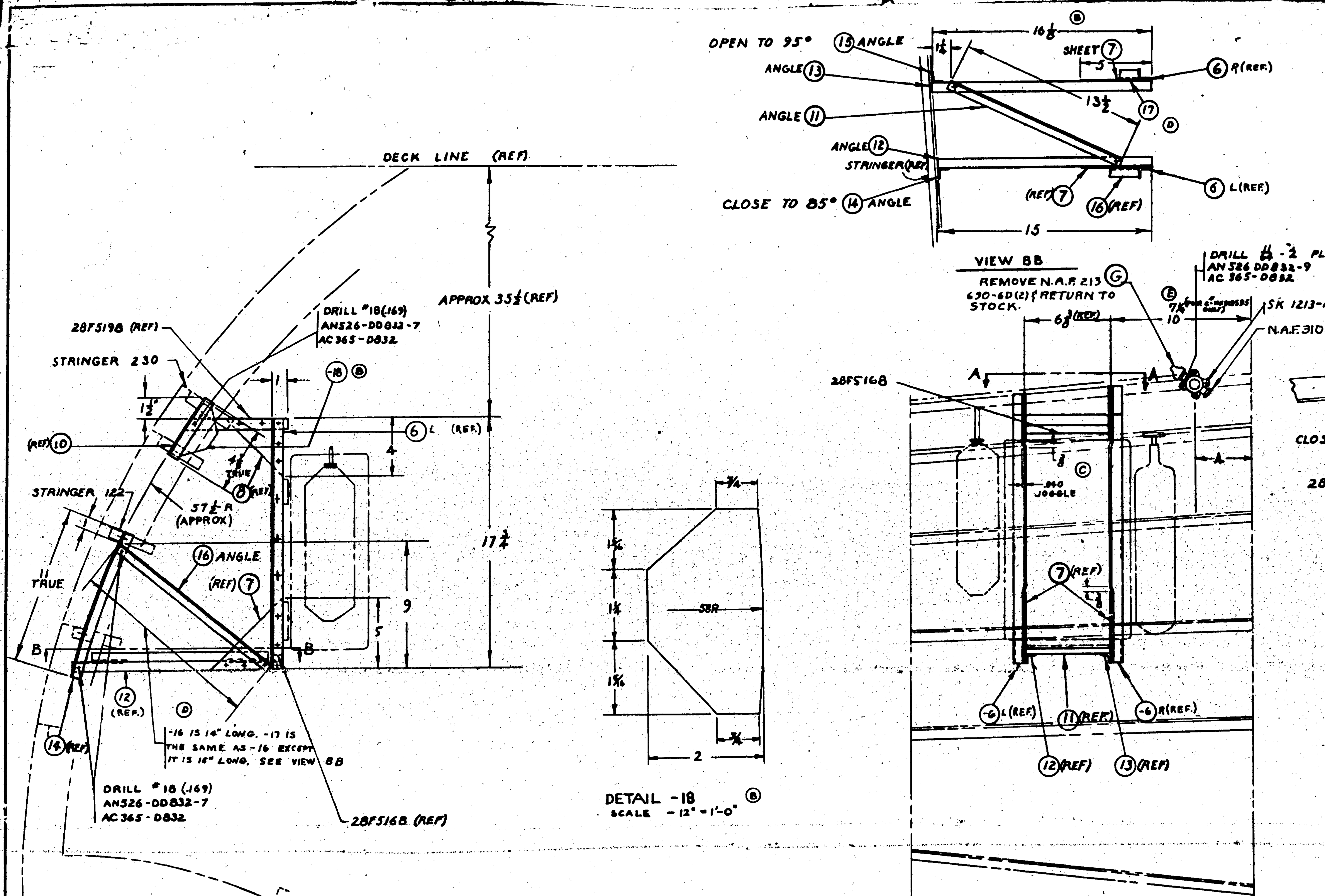
REQUIREMENTS PER AIRPLANE

REPLACES — .50 CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — NOTED
HEAT TREAT — FINISH
DRAFT — CHECK — STRESS — MAT. — APPROV. — ENG.

NAME INSTALLATION-FURN'S - LIVING COMPARTMENT REBREATHER
OPP. HAND 28F5202-R
G 28F5202
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F5202



NOTES

1. ALL RIVETS TO BE AN442-D4 RIVET APPROX. AS SHOWN
2. MAT'L. FOR -6½R, -9, -10, -14, & -15 MAY BE-
   (A) Y-2-A28T, OR
   (B) K5401, AL. AL. EXTR., SPEC. QQ-A-354-T.
3. MAT'L. FOR -11, -12, -13, -16, & -17 MAY BE-
   (A) Y-2-A20T, OR
   (B) K13624, AL. AL. EXTR., SPEC. QQ-A-354-T.

-16 IS 15 14" LONG. -17 IS THE SAME AS -16 EXCEPT IT IS 16" LONG. SEE VIEW BB

CONTRACT CHANGE "O" #S.O. 936-24 TO BE INSTALLED BY C.A.C. ON AIRPLANES #168 TO #200 INCL. (SERIAL Nos. 2365 TO 2488 INCL.

* SK1213-90 IS EQUIVALENT TO & INTERCHANGEABLE WITH SK1213-110.

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No.	STOCK	MATERIAL	SPEC.
AN442-D4			
* SK1213-110	MINES SAFETY APPLIANCE CO.		
NAF310503-6D			
28F5198			
28F5168			
AC365-D832			
AN526-DD832-7			
AN526-DD832-9			
-17	NOTED X 16	NOTED	NOTED
-18	.040 x 2¼ x 5	AL. ALLOY	24S-T
-16	NOTED X 14	NOTED	NOTED
-15	NOTED X 14½	NOTED	NOTED
-14	NOTED X 11½	NOTED	NOTED
-13	NOTED X 11½	NOTED	NOTED
-12	NOTED X 16	NOTED	NOTED
-11	NOTED X 15	NOTED	NOTED
-10	NOTED X 5	NOTED	NOTED
-9	NOTED X 5	NOTED	NOTED
-8	.040 x 4½ x 4½	AL. ALLOY	24S-T
-7	.040 x 6½ x 5½	AL. ALLOY	24S-T
-6L	NOTED X 18	NOTED	NOTED

PARTS LIST PER ASSY.

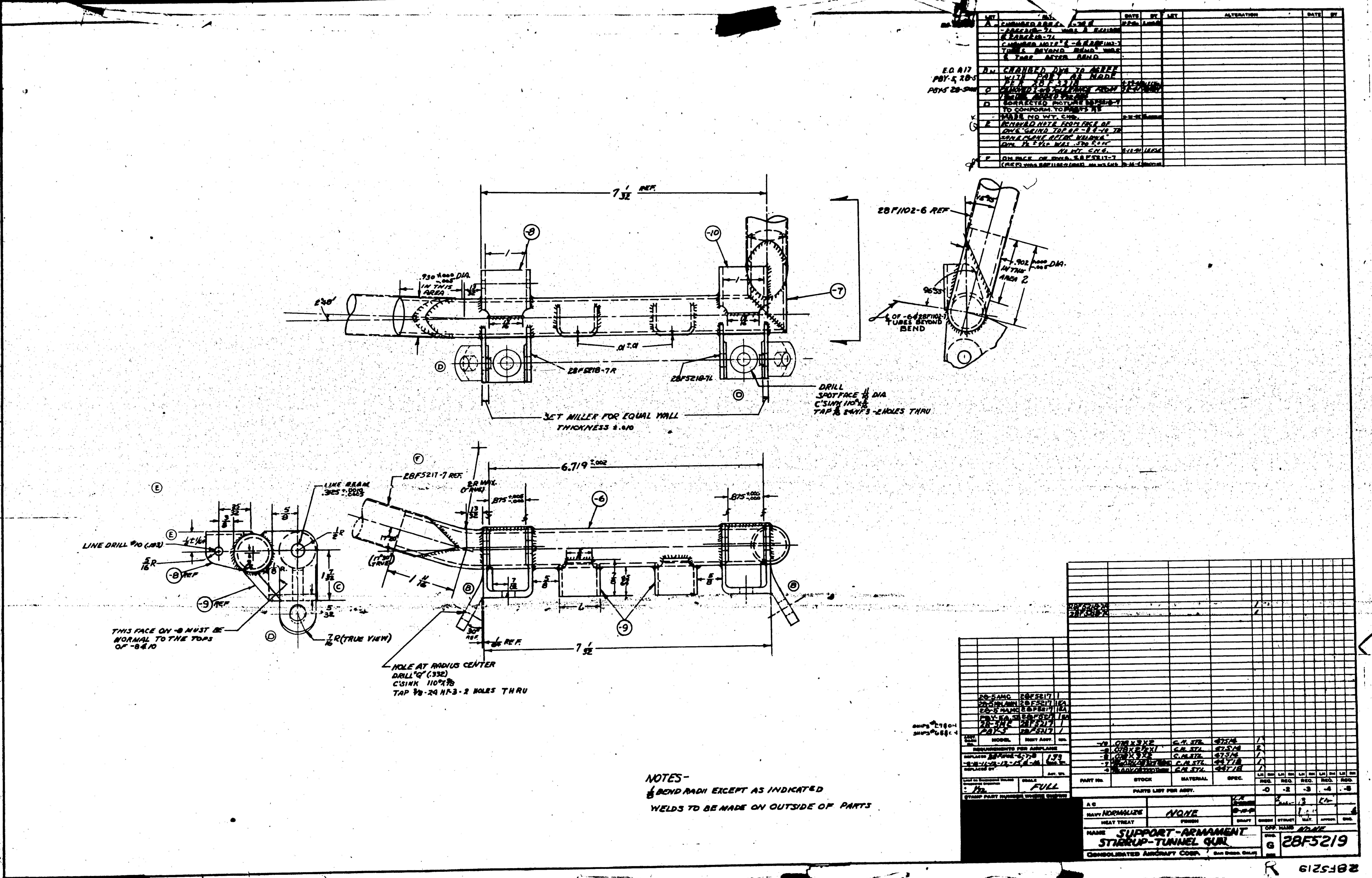
PBY-5A | 28F5200 | 1.5

NAVY NONE

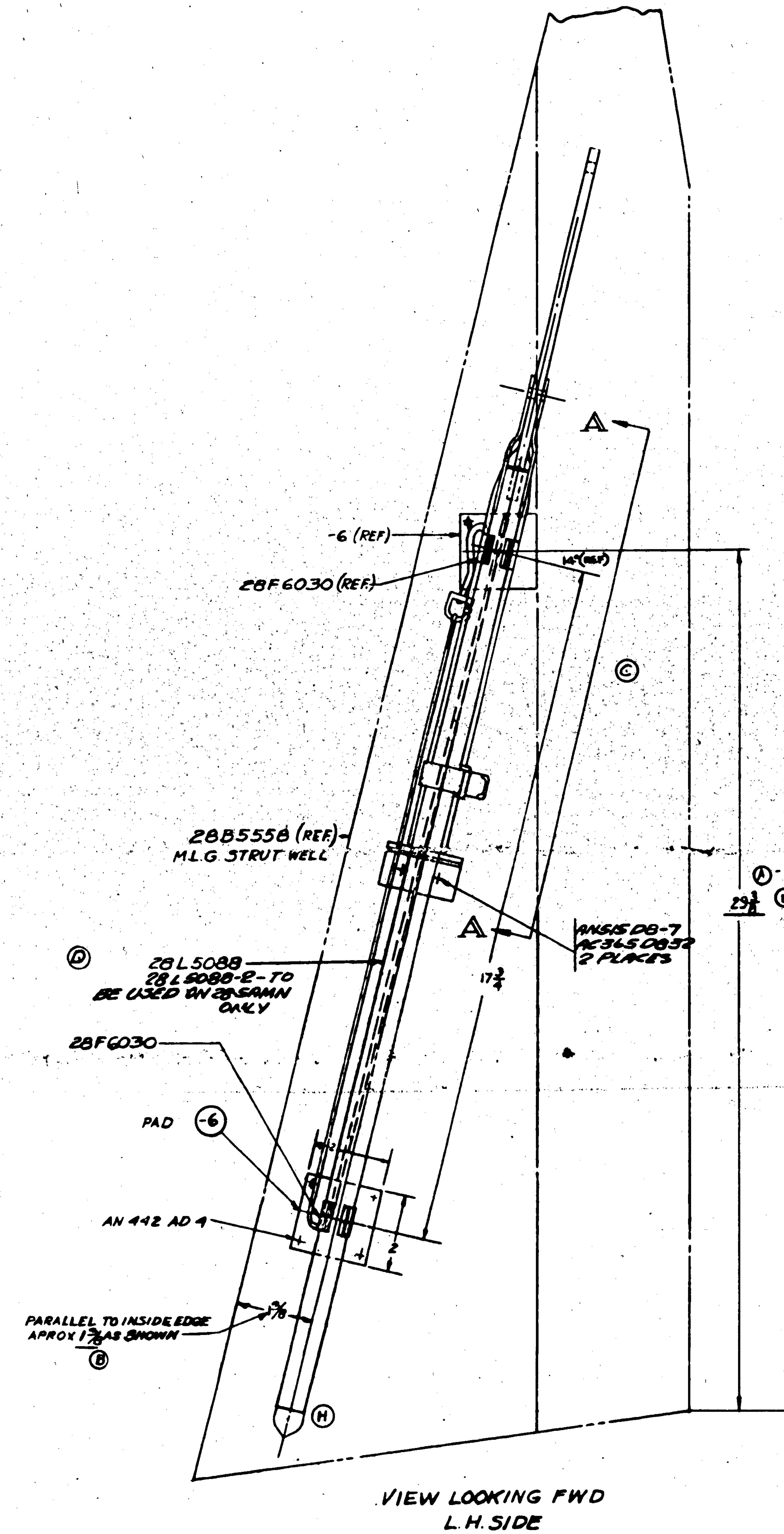
NAME INSTAL-FURN'S CO-PILOT'S REBREATHER

CONSOLIDATED AIRCRAFT CORP.

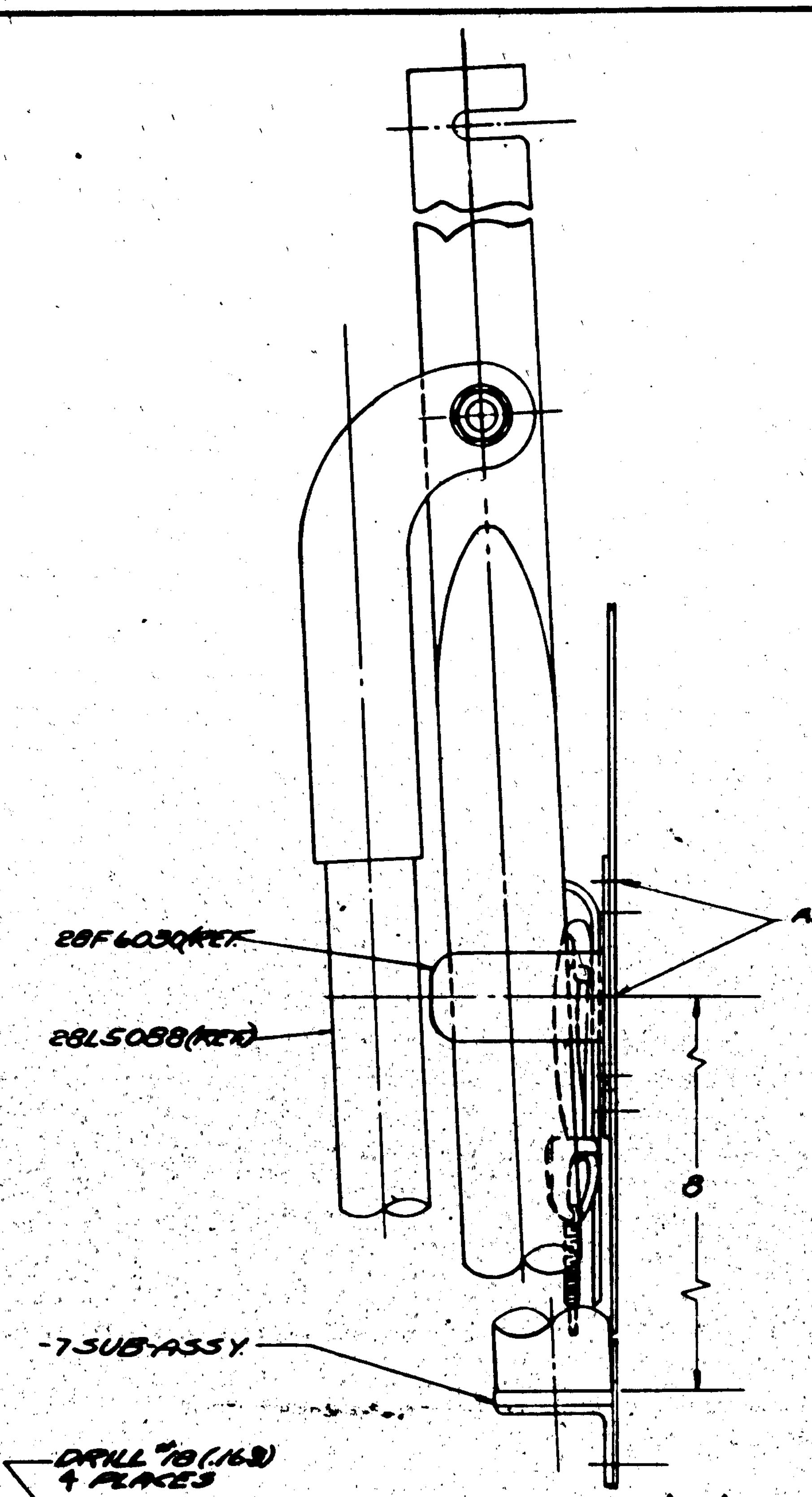
G 28F5209



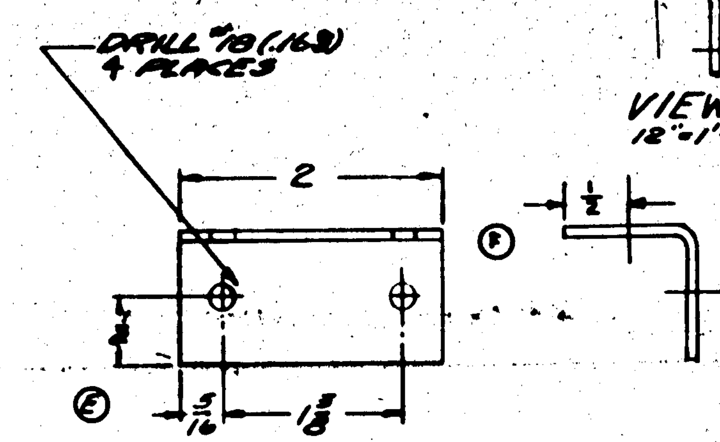
7 1/32 REF.
28F1102-6 REF
.930 DIA. IN THIS AREA
.902 DIA. IN THIS AREA 2
TUBES BEYOND BEND
28F5218-7R
28F5218-7L
DRILL
SPOTFACE 11/16 DIA.
C'SINK 110°
TAP 3/8 24NF3 - 2 HOLES THRU
SET MILLER FOR EQUAL WALL
THICKNESS ±.010
28F5217-7 REF.
LINE REAM .3125
6.719 ±.002
.875
LINE DRILL #10 (.193)
-8 REF
-9 REF
THIS FACE ON -8 MUST BE NORMAL TO THE TOPS OF -8 & 10
7/16 R (TRUE VIEW)
HOLE AT RADIUS CENTER
DRILL "Q" (.332)
C'SINK 110° X 3/8
TAP 3/8-24 NF-3 - 2 HOLES THRU
1/8 REF.
NOTES-
1/8 BEND RADII EXCEPT AS INDICATED
WELDS TO BE MADE ON OUTSIDE OF PARTS
NORMALIZE
NONE
FULL
SUPPORT-ARMAMENT
STIRRUP-TUNNEL GUN
CONSOLIDATED AIRCRAFT CORP.
28F5219



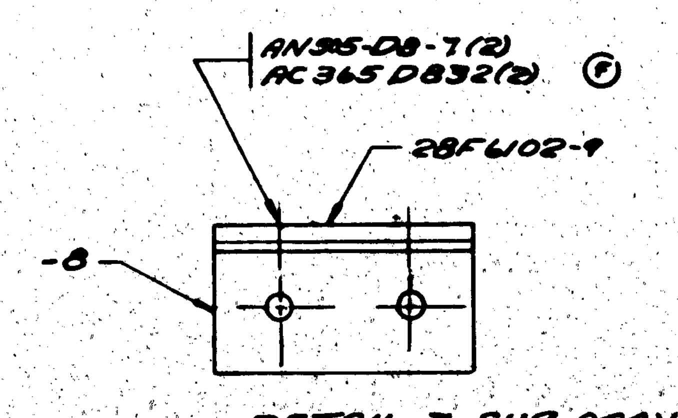
VIEW LOOKING FWD
L.H. SIDE



VIEW A-A
12"=1'-0"



DETAIL-8
SCALE 12"=1'-0



DETAIL-7 SUB ASSY.
12"=1'-0

MATERIAL NOTE :-
1. MATERIAL FOR -8 MAY BE:
(A) Y2-A45T x 2 1/8, OR
(B) EXTR. K78J. x 2 1/8, AL. ALLOY (24ST), SPEC. 46A9 COND. T.

E.O. A14948, PBY-5A, 28-5AMC K
E.O. A14293, PBY-5A, OA-10, 28-5AMC K
E.O. A17908
E.O. A20856
E.O. A52417

LET	ALTERATION	DATE	BY
A	DIM. 27 1/2 WAS 22 1/2 ON FACE OF DWG.		
B	DIM. 29 3/8 WAS 27 1/2. CHG'D NO. IN NOTE "PARALLEL TO INSIDE" ETC. FROM 2 TO 1 3/16.	9-22-41	
C	CHG. FACE TO SHOW RE-DESIGNED ROD (28L5088) IN STOWED POS. & ADDED DETAILS -7 SUB ASSY & -8. ADDED TO FACE & B/M -7 SUB ASSY (-8(1), 28F6102-9(1), AC365-D832(2) & AN515-D8-8(2)) WT. CHG. NEG.		
D	ADDED 28-5AMN REQ. ADDED 28L5088-2 & NOTES. WT. CHG. NEG.		
E	5/16 DIM. WAS 1/2. ADDED 1 3/8 DIM. NO WT. CHG.		
F	ON FACE OF DWG IN -8 DETAIL ADDED 2 #18 (.169) HOLES. CHANGED NOTE TO READ 4 PLACES WAS 2. IN -7 SUB ASSY AN515 D8-7 WAS AN515-D8-8; AC365 D832(2) WAS (4); REMOVED AN515-D8-7 IN B/M ADDED AC365 D832(2) AN515 D8-7(2). NO WT. CHG.	8-6-42	
G	NOTED -8 IN B/M. WAS K78J x		
G (cont)	2 1/8 AL. AL. 24ST, 46A9-T. ADDED MAT'L NOTE TO FACE OF DWG.	3-12-43	KNIGHT
H	CHANGED VIEW OF 28L5088 WT CHG NEG		

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CROMIUM PLATE

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ
	28-5AMN	28F6005	1
	28-5-AMC	28F6005	1
	PBY 5A	28F6005	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.53 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN515 D8-7				2				
AC365-D832				2				
28F6102-9				1				
-8	NOTED	NOTED	NOTED	1				
-7 SUB ASSY.								
				1				
				1				
AC365D832				2				
AN442AD4								
AN515D8-7				2				
28L5088-2 - TO BE USED INSTEAD OF 28L5088 FOR 28-5AMN								
28F6030				2				
28L5088				1				
-7	SUB ASSY.			1				
-8	.064 x 2 1/8 x 2 1/8	ALC 24ST	47A8 T	2				

PARTS LIST PER ASSY.

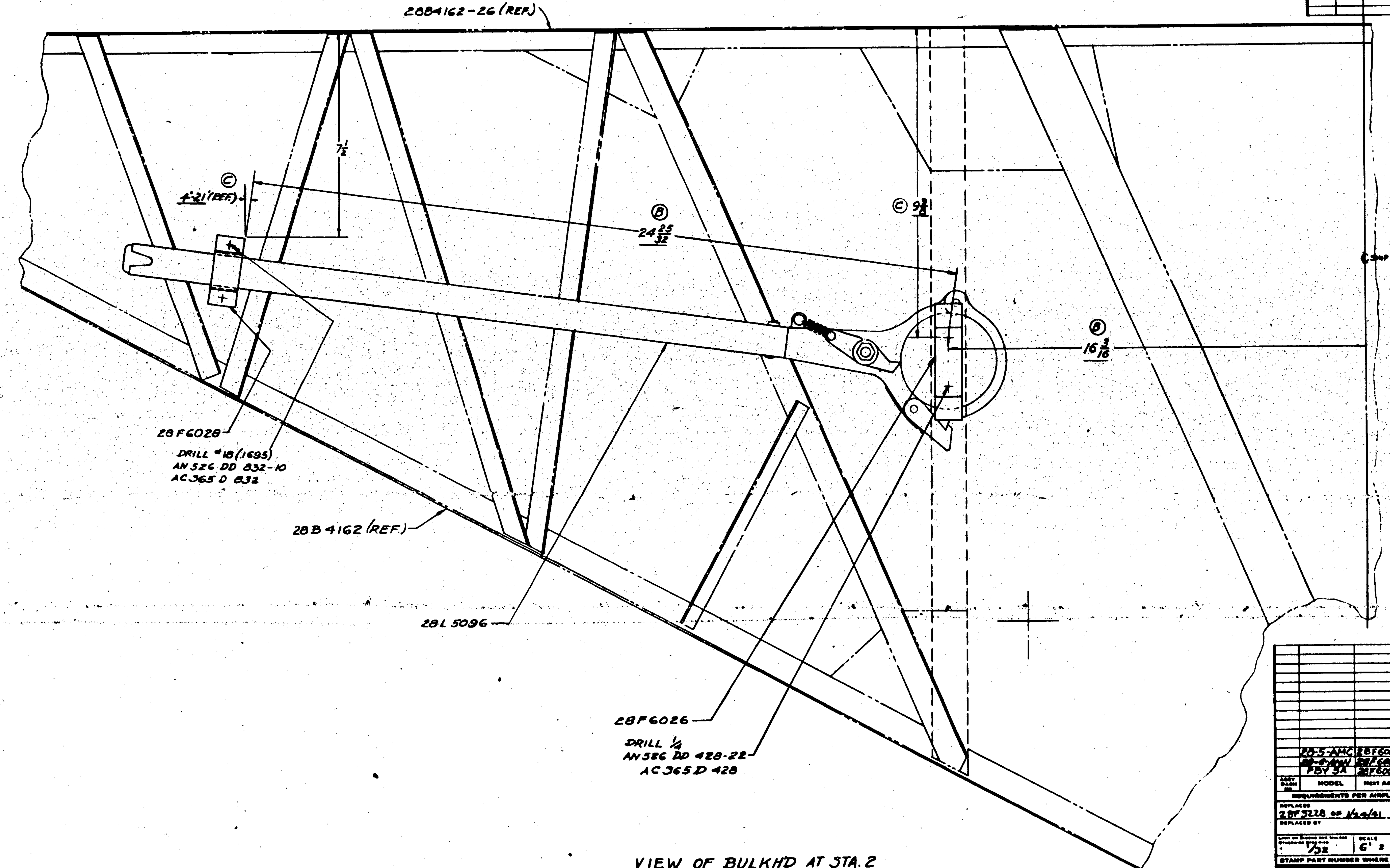
AC
NAVY NONE
HEAT TREAT — FIN: ZP-2-AP
DRAFT / CHECK / STRUCT / MAT. / APPROV / ENG
OPP. HAND NONE

NAME INSTALL-STOWAGE-FURNS. M.L.G. RELEASE ROD

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. G 28F5227

LET	ALTERATION	DATE	BY
A	REDRAWN, RELOCATED TO		
	REPLACES 28F5228 OF 1/29/41	[illegible]	RHV
B	DIM. 16 3/16 WAS 15 3/32, DIM.	[illegible]	[illegible]
	24 25/32 WAS 23 [illegible].		
C	9 [illegible] DIM. WAS [illegible], 4°21'		
	ANGLE WAS 8°, NO WT. CHG.	[illegible]	[illegible]



VIEW OF BULKH'D AT STA. 2
L.H. SIDE LOOKING FWD Ⓐ

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
	28-5-AMC	28F6008	1
	28-6-ANW	28F6006	1
	PBY 5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F5228 OF 1/29/41 — 35 CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AC365 D 832				2				
AN526DD 832-10				2				
AC365-D 428				2				
AN526DD 428-22				2				
28F6028				1				
28F6026								
28L5096				1				
-6								

PARTS LIST PER ASSY.

A C NONE	TOUCH UP	[illegible] 3/14/41	[illegible]	[illegible]	RMH MBO	[illegible]	[illegible]
NAVY		DRAFT	CHECK	STRUCT	MAT	APPROVED	ENG
HEAT TREAT	FINISH						

NAME INSTALL STOWAGE - FURNS. N.L.G. LOWERING LEVER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

OPP. HAND —

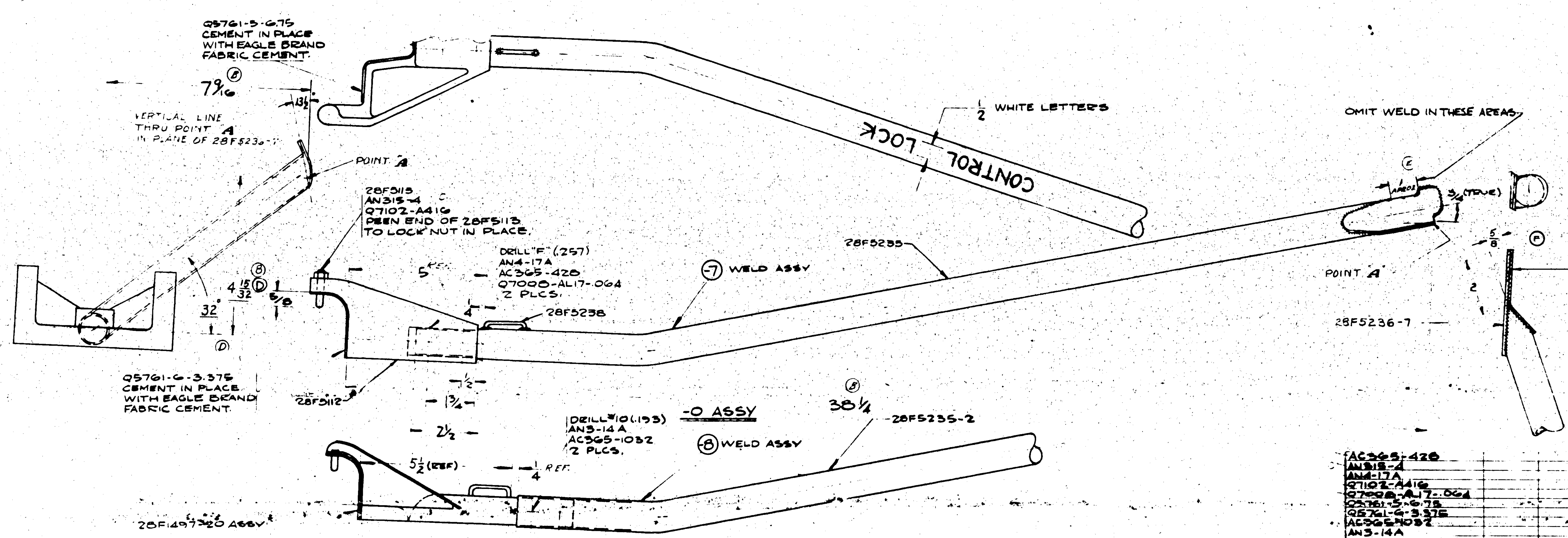
DWG SIZE G — 28F5228

WR

LET	ALTERATION	DATE	BY
A	28F5112 WAS 28F5512 [illegible] ONLY 28F5113 WAS 28F5513 [illegible] ONLY	1-14-41	[illegible]
B	ON -0 ASSY 38¼ WAS 38⅝; 5½ WAS 5⅜; 7⁹⁄₁₆ WAS 7¾ ON DWG		
C	CHANGED AN315-4L NUTS TO AN315-4 ON DWG. + 5/16	6-13-41	[illegible]
D	ON-0 ASS'Y CHG. 5¾ DIM. TO 4¹⁵⁄₃₂ & 39° TO 32° ON EACE	9-17-41	HORN
E	WELD OMISSION 1" (APPROX) WAS ¼ TRUE. ADDED WELD AROUND END.	2-28-42	[illegible]
F	DIM. 5/8 WAS 5/16. NO. WT. CHG.	3-21-42	[illegible]

PBY-5 ALL 28F51 E.O. 38529 PBY-5A OA-10 E.O. A23L9 PBY-5 PBY-5A

OA-10 E.O. #11411 PBY-5&5A E.O. A16L01 PBY-5, 5A OA-10



NOTE:
HEAT TREAT -7 & -8 TO 125,000# "D" SAND BLAST AND PRIME OUTSIDE. FLUSH INSIDE WITH PARELKATONE AND DRAIN. ASSEMBLE 28F5112 AND 28F1497 & FINISH ASSEMBLY, EXCEPT UNDER WEBBING, AP ONE COAT & ONE COAT RED ENAMEL

-2 ASSY (ENG REF)

CONT. #70496
CONT. #70496

CONTRACT CHANGE – SEE BU. OF AER. LETTER 12-13-40

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AC365-428				2				
AN315-4				2				
AN4-17A				2				
Q7102-A416				2				
Q7008-AL17-.064				4				
Q5761-5-6.75				1				
Q5761-6-3.375				2				
AC365-1032					2			
AN3-14A					2			
28F1497-20					1			
28F5236-7				1				
28F5236-6				1				
28F5235-2				1				
PARTS ON -8 WELD ASSY (SUB-)								
28F5258				1				
28F5236-7				1				
28F5236-6				1				
28F5235				1				
PARTS ON -7 WELD ASSY (SUB-)								
28F5113				2				
28F5112				1				
-8	SUB ASS'Y				1			
-7	SUB ASS'Y			1				

PARTS LIST PER ASSY

ASSY DASH No	MODEL	NEXT ASSY	REQ
-0	PBY-5A	28F5239	1
-0	PBY-5	28F5239	1

REQUIREMENTS PER AIRPLANE

REPLACES — 2.5 CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32 — SCALE: 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

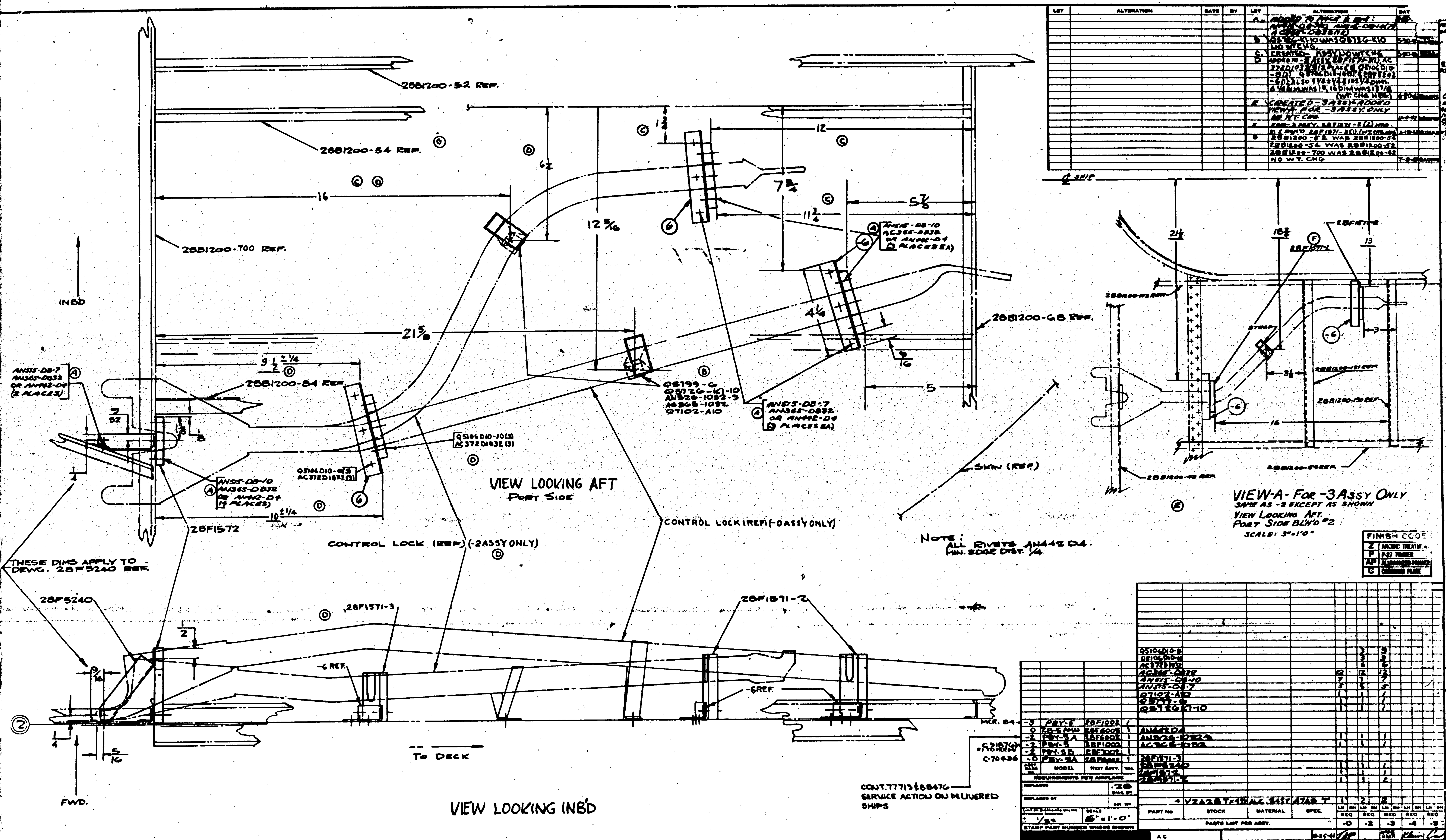
A C —
NAVY: 140780 — HEAT TREAT
FINISH: NOTED
DRAFT: [illegible] 1-2-41 — CHECK — STRUCT — MAT — APPROV — ENG

NAME: LOCK ASSY-CONTROLS – AIL. & ELEV. YOKE

OPP HAND: —

DWG SIZE: G — 28F5237

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DAT
A	ADDED TO PICT. & BM: AN515-D8-7(5) AN515-D8-10(7) AC365-0832(12)	
B	Q5726-K1-10 WAS Q5726-K10 NO WT. CHG.	3-20-4
C	CREATED -0 ASSY. NO WT. CHG.	3-20-4
D	ADDED TO -2 ASSY. 28F1571-3(1), AC372D1032(3) (2 PLACES) Q5106D10-8(3), Q5106D10-10(3) & 28F5242-6(1). ALSO 7 3/4 & 4 1/4 & 10 1/4 DIMS. 6 1/2 DIM. WAS 18, 16 DIM. WAS 13 7/8 (WT. CHG. NEG.)	4-20-4
E	CREATED -3 ASSY. & ADDED VIEW A FOR -3 ASSY. ONLY NO WT. CHG.	
F	FOR -3 ASSY. 28F1571-2 (2) WAS (1) & DEL'D 28F1571-3 (1). (WT. CHG. NEG.)	
G	28B1200-52 WAS 28B1200-54, 28B1200-54 WAS 28B1200-52, 28B1200-700 WAS 28B1200-42, NO WT. CHG.	7-9-4

FINISH CODE	
Z	ANODIC TREATM.
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
Q5106D10-8					3	3		
Q5106D10-10					3	3		
AC372D1032					6	6		
AC365-0832				12	12	12		
AN515-D8-10				7	7	7		
AN515-D8-7				5	5	5		
Q7102-A10				1	1	1		
Q5799-6				1	1	1		
Q5726K1-10				1	1	1		
AN442D4								
AN526-1032-9				1	1	1		
AC365-1032				1	1	1		
28F1571-3					1			
28F5240				1	1	1		
28F1572				1	1	1		
28F1571-2				1	1	2		
-6	1/2 A 2 1/8 T×47 1/2	ALC. 24ST	47AB T	1	2	2		

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-3	PBY-5	28F1002	1
-0	28-5AMN	28F6005	1
-2	PBY-5A	28F6002	1
-2	PBY-5	28F1000	1
-2	PBY-5B	28F7002	1
-0	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

C-21876 TO -9 | C-70436

REPLACES — .28 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

AC		8-15-41					
NAVY	ZP-ZAP -6						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

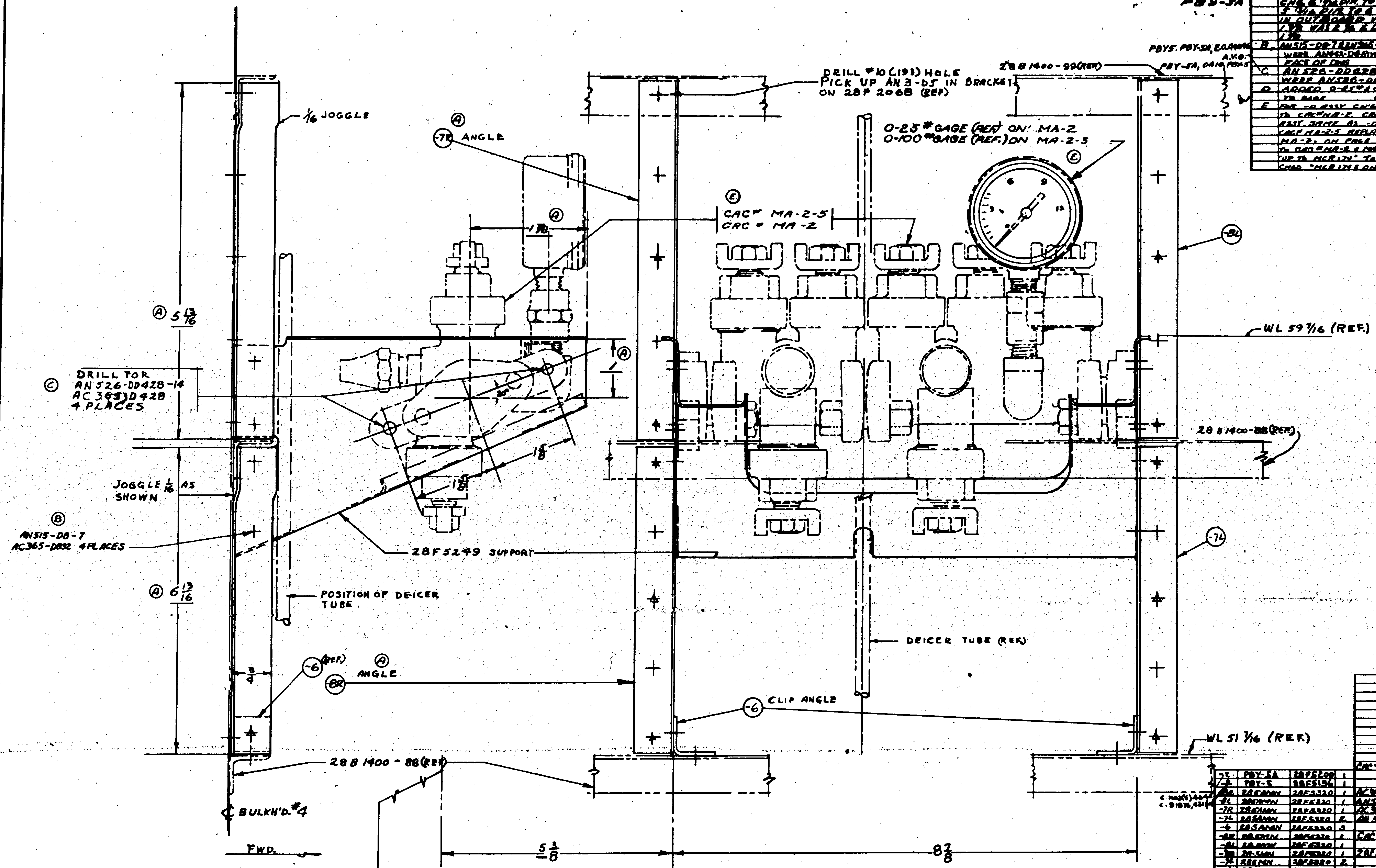
NAME STOWAGE-FURN-CONTROL LOCK-STA. 2.0 (PORT)

OPP. HAND —

G 28F5242

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

R



VIEW OUT BOARD

VIEW LOOKING AFT · PORT SIDE

c. 70486, 77713 (c.0...
c. 70496 (91876 ...

RELEASED AS PER CONTRACT #91876

MATERIAL NOTE:
1- MAT FOR -6 MAY BE:
(A) Y-2-A28T × 7/8, OR
(B) K5401 × 7/8, AL AL., 46A9-T.
2- MAT FOR -7L/R MAY BE:
(A) Y-2-A28T × 6, OR
(B) K5401 × 6, AL AL., 46A9-T.
3- MAT. FOR -8L/R MAY BE:
(A) Y-2-A28T × 7, OR
(B) K5401 × 7, AL AL., 46A9-T.

NOTE:
-6, -7R, -7L, -8L, -8R FINISH Z-P.
FINISH INST'L. 2-AP.
ALL RIVETS AN442-D4

NOTE CONTRACT CHANGE "O" S.O. #936-24 TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO #200 INC. (SERIAL NO'S. 2337 TO 2488 INCL.) PARTS TO BE FURNISHED BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO #48 INCL. (SERIAL NOS. 2289 TO 2336 INCL.).
✱ MAY BE PURCHASED FROM MINES SAFETY APPLIANCE CO. PITTSBURGH. PA.

WT. -0 ASSY. = 4.96#
WT. -2 ASSY. = 7.60#

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

LET	ALTERATION	DATE	BY
A	CHG. -7R ANG. TO -8R ANG. & -8R ANG. TO -7R ANG. CHG. 6 13/16 DIM. TO 5 13/16 & 5 13/16 DIM. TO 6 13/16 IN OUTBOARD VIEW. DIM. 1 7/8 WAS 2 3/8 & DIM. 1 WAS 1 3/8	[illegible]	
B	AN515-D8-7 & AN365-D832 RIVS WERE AN442-D4 RIVETS W/ [illegible] FACE OF DWG	[illegible]	
C	AN526-DD428-14 SCREWS WERE AN526-DD428-11	[illegible]	
D	ADDED 0-25# & 0-100# NOTE TO GAGE WT. [illegible]	[illegible]	
E	FOR -0 ASSY CHG'D SK1213-95 TO CAC# MA-2. CREATED -2 ASSY SAME AS -0 EXCEPT CAC# MA-2-5 REPLACES CAC# MA-2. ON FACE CHG'D SK1213-95 TO CAC# MA-2 & MA-2-5. CHG'D "UP TO MCR124" TO "ON MA-2". CHG'D "MCR124 & ON" TO "ON MA-2-5". WT. CHG. = + 2.64		
F	IN S/M, FOR -6, REPLACED "K5401 × 7/8 AL ALLOY 46A9-T" WITH "NOTED". REPLACED FOR -7L/R "K5401 × 6 AL AL 46A9-T" WITH "NOTED". REPLACED FOR -8L/R "K5401 × 7 AL AL 46A9-T" WITH "NOTED". ADDED TO FACE MAT. NOTES 1, 2 & 3. BODY: [illegible] (WT. CHG. [illegible])	[illegible]	

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5A	28F5200	1
-2	PBY-5	28F5196	1
-8R	28-5AMN	28F5320	1
-8L	28-5AMN	28F5320	1
-7R	28-5AMN	28F5320	1
-7L	28-5AMN	28F5320	2
-6	28-5AMN	28F5320	3
-8R	28-5MN	28F5320	1
-8L	28-5MN	28F5320	1
-7R	28-5MN	28F5320	1
-7L	28-5MN	28F5320	2
-6	28-5MN	28F5320	3
	PBY-5A	28F5200	1
	PBY-5	28F5196	1

REQUIREMENTS PER AIRPLANE

c. 70435(?) 46A
c. 91876, 43

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
CAC# MA2-5	SK1213-95			–	1			
AC365-D832				8	8			
AN515-D8-7				8	8			
AC365-D428				4	4			
AN526-DD428-14				4	4			
CAC# MA2	SK1213-95			1	–			
28F5249				1	1			
-8R	NOTED	NOTED	NOTED	1	1			
-8L	NOTED	NOTED	NOTED	1	1			
-7R	NOTED	NOTED	NOTED	1	1			
-7L	NOTED	NOTED	NOTED	1	1			
28F5248-6	NOTED	NOTED	NOTED	2	2			

PARTS LIST PER ASSY.

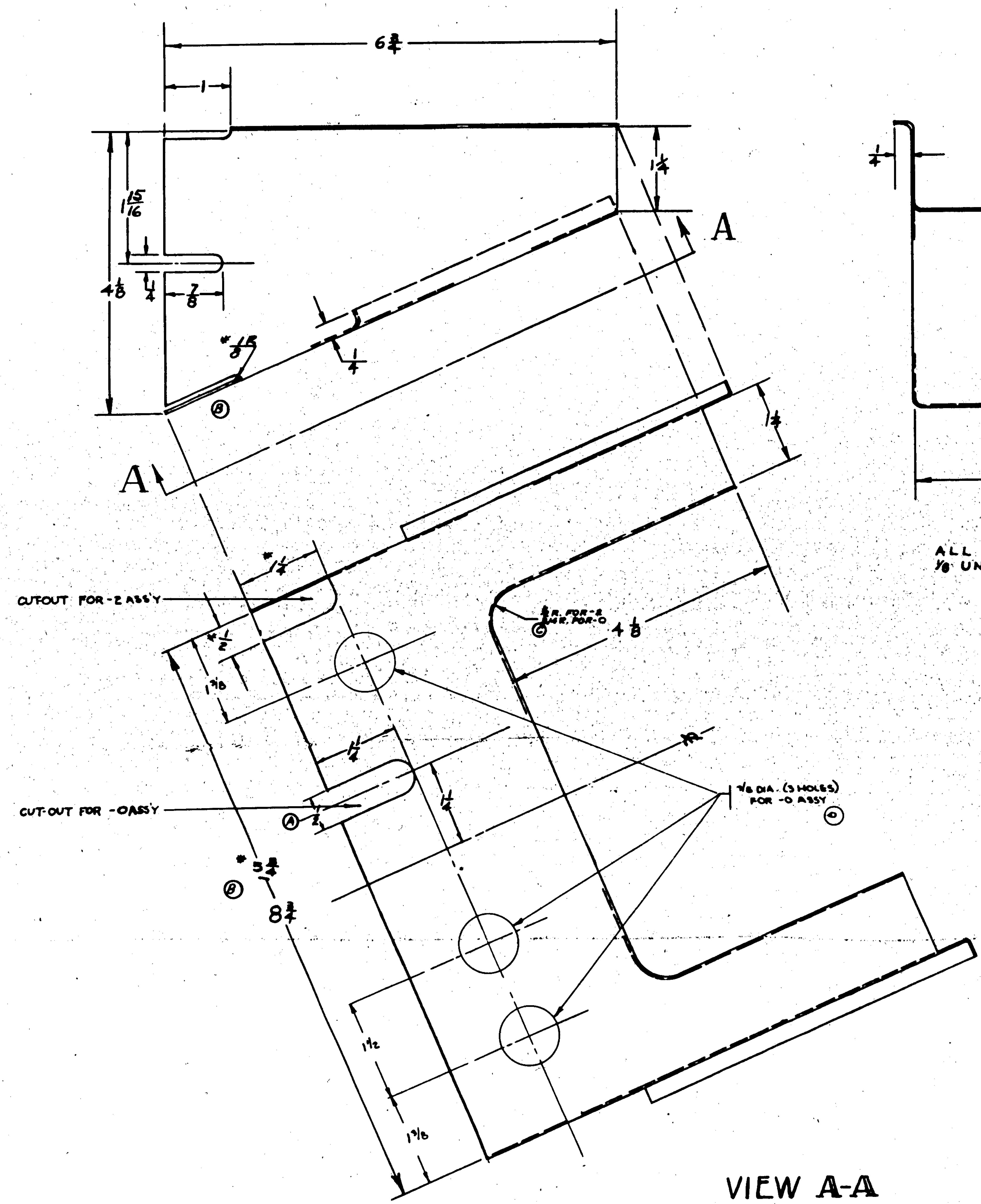
REPLACES 28F5180
REPLACED BY
NOTED CALC. WT.
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C ——
NAVY NONE — HEAT TREAT
NOTED — FINISH
DRAFT W.J. NELSON 9/1/40 — CHECK — STRUCT — MAT — APPROV — ENG.

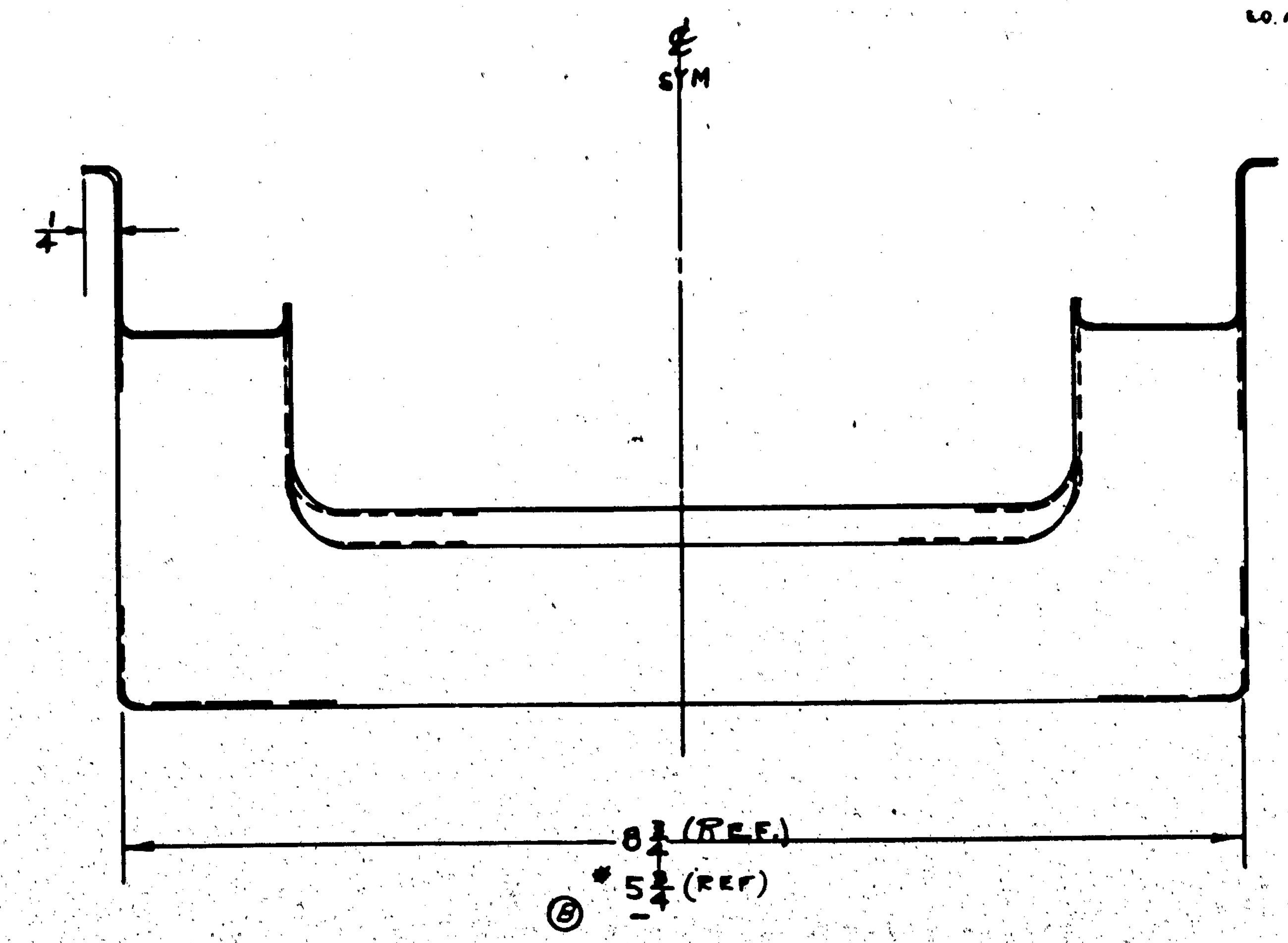
NAME INST.- FURNS OXYGEN MANIFOLD & GAUGE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND.
G 28F5248

28F5248

	LET	ALTERATION	DATE	BY
PBY-5 & 5A E.O. 39190	A	LOCATION OF SLOT CHANGED. WAS ON CENTER LINE.	4-14-41	SALS
28-5MN E.O. A 5224	B	ADDED CUTOUT & DIMS. ½, 1½, 5¾ & ⅛R. TO FACE OF DWG. FOR 28-5MN1-2 ASS'Y ONLY)	6/18/41	
	C	CHG RADIUS TO ⅛R. FOR -2 & 3/4R. FOR -0, WAS ½ FOR BOTH	7-11-41	
E.O. A37809	D	FOR -0 ASSY. ADDED ⅞ DIA (3 HOLES) DIMS 1⅛ (2); 1½. NO WT. CHG.	1-2-42	



VIEW A-A



ALL BEND RADII & RELIEF ⅛ UNLESS NOTED.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE CONTRACT CHANGE & S.O. #936-24. TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO #200 INC. (SERIAL NOS. 2337 TO 2488 INCL.) PARTS TO BE FURNISHED BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO #48 INCL. (SERIAL NOS. 2289 TO 2366 INCL.)

*NOTE DIM ½, 1½, 5¾ & ⅛R. - & CUTOUT FOR -2 ASS'Y ONLY.

RELEASED AS PER CONTRACT #91876

ASSY. DASH NO.	MODEL	NEXT ASSY	REQ.
-2	28-5AMC	28F5320	1
-2	28-5MN	28F5520	1
-0	PBY-5A	28F5248	1
-0	PBY-5	28F5248	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F5181 — .31 CALC. WT

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.040 × 18 × 22	AL ALLOY	47A10 COND. T	1	1			

PARTS LIST PER ASSY.

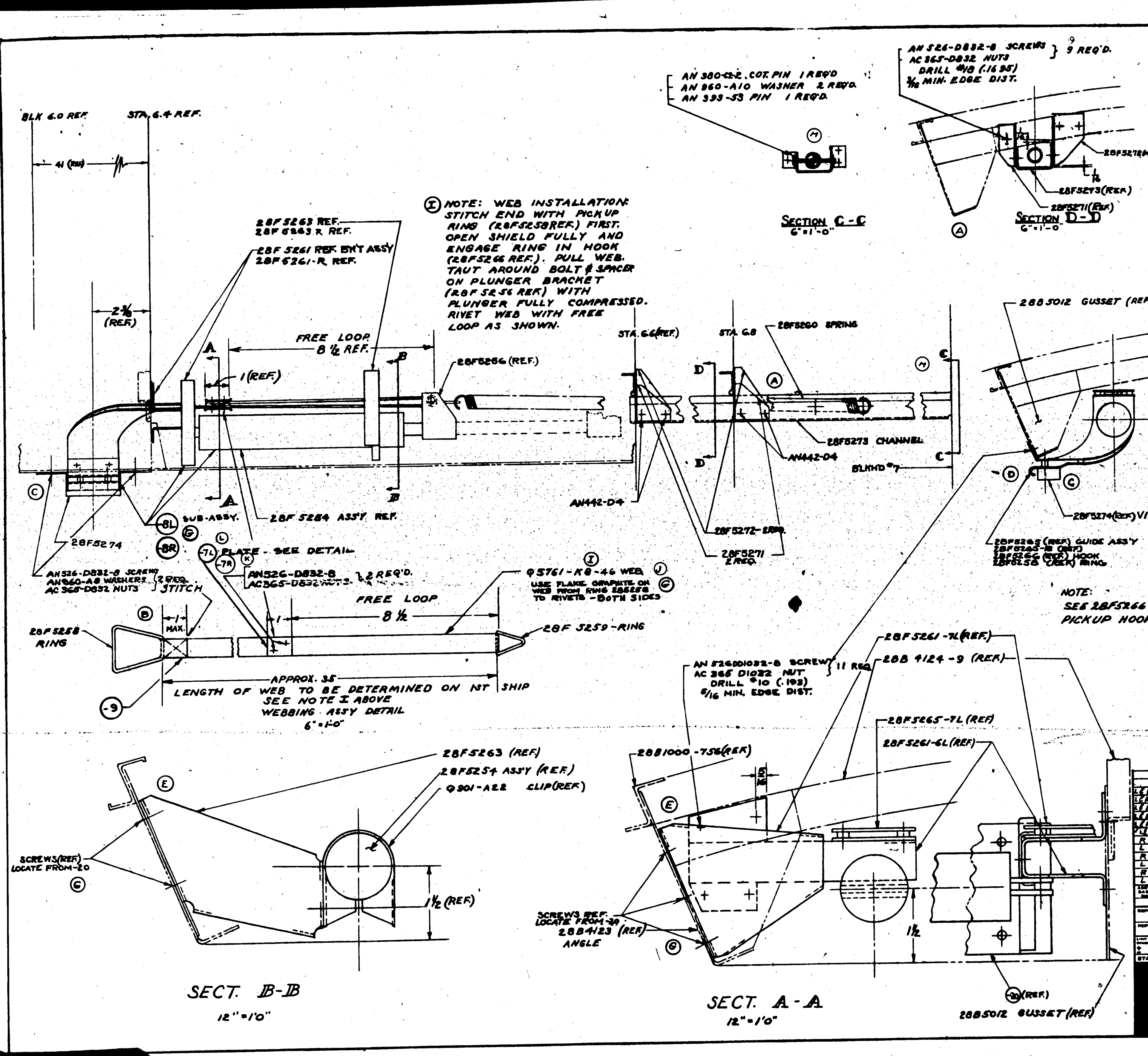
A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY NONE	Z-P	NELSON 11/7/40					
HEAT TREAT	FINISH						

NAME SUPPORT- FURN'S- OXYGEN MANIFOLD & GUAGE.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

DWG. SIZE G 28F5249



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
"A"	SPRING GUARD CHANNEL SUP-			G	SHEET #2 ADDED		
"	PORTING BRACKETS & DETAILS	"	"	"	CORRECTIONS TO B.M.		
"	ADDED: FORMER SPRING	"	"	"	ADDED NOTE: "USE FLAKE		
"	DETAILS REMOVED	"	"	"	GRAPHITE ON WEB FROM	"	
"B"	28F5258 RING AND STITCH	"	"	"	RING 28F5258 TO RIVETS	"	
"	DIMENSIONS CHANGED	12-23		H	REMOVED NOTE II		
"C"	28F5274 PADING ADDED	12-23			REGARDING LOCATION		
"D"	-6 CANCELLED: PARTS, DETAILS	12-23			OF 28F5265 ASS'Y		
"	AND NOTES REMOVED	"	"	I	Q5761-K8-55 WAS Q5761-K8-55		
"E"	CHANGES MADE AS PER	12-23			CHANGE MADE ON FACE & B/M		
"	DETAIL 28F5261-7 & 28F5263	"	"	J	Q5761-K8-46(1½) WAS Q5761-K8-		
F	NECESSARY CHANGES MADE	"	"		55 (1½) WT. CHG. NEG.		
"	ON "BILL OF MATERIALS" TO	"	"	K	28F5263-700L(1) & (-700R(1)) WERE		
"	AGREE WITH CHGS A,B,C,D,E	12-23			-7 (2). NO WT. CHG.		
G	-20 ADDED TO SECTION A-A			L	-7L & -7R WAS -700L & -700R.		
"	AND SECTION B-B	"	"		NO WT. CHG.		
"	SECTION A-A & B-B ATTACH-			M	AN526-D832-8 (13) WAS (8) ½		
"	ING SCREW DIM. REMOVED	"	"		AC365-D832 ½ (13) WAS (8) ½ RE-		
"	AND NOTATIONS ADDED	"	"		MOVED 28F5262. IN NOTE ABOVE		
"	PARTS USED ON -8 SUB-ASS'Y				SECTION D-D (9) REQ'D. WAS (1)		
"	CALLED OUT ON SHEET #2 AND	"	"		REQ'D. WT. CHG. NEG.		
"	REMOVED OR REF. ON SHEET #1	"	"				

FINISH C	
Z	ANODIC TREAT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY.	NO.
L&R	PBY-5B	28A4006	1
L&R	28-5AMN	28A4006	1
L&R	28-5AMC	28A4006	1
L&R	28-5MN	28A4006	1
L&R	28-5MC	28A4006	1
L&R	28-5MA	28A4006	1
R	PBY-5A	28A4006-3	1
L	PBY-5A	28A4006-3	1
R	28-5ME	28A4006-4	1
L	28-5ME	28A4006-4	1
R	PBY-5	28A4006-3	1
L	PBY-5	28A4006-3	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.2# CALC. WT.

REPLACED BY — ACT. WT.

± 1/32 ± ½° — SCALE: NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH
AN960-A8				2	2
AC365-D832				13	13
AN442-D4				8	8
28F5274				1	1
28F5273				1	1
28F5272				2	2
28F5271				2	2
AN526 D832-8				13	13
AN393-53				1	1
AN960-A10				2	2
AN380-C2-2				1	1
AC365 D1032				11	11
AN526 DD1032-8				11	11
28F5260				1	1
AC365-D632	-8 SUB-ASS'Y.			1	1
AN526-DD-632-8	-8 SUB-ASS'Y.			1	1
AN442-D4	-8 SUB-ASS'Y.				
AC365 D1032	-8 SUB-ASS'Y.			2	2
AN526 DD1032-32	-8 SUB-ASS'Y.			1	1
AN526 DD1032-72	-8 SUB-ASS'Y.			1	1
AN425D3	-8 SUB-ASS'Y.				
Q901A22	-8 SUB-ASS'Y.			1	1
Q808D-4-6	-8 SUB-ASS'Y.			2	2
Q810D-6-5	-8 SUB-ASS'Y.			1	1
28A4007-6-ASSY	-8 SUB-ASS'Y.			1	1
28F5265R	-8 SUB-ASS'Y.				1
28F5265	-8 SUB-ASS'Y.			1	
28F5263R	-8 SUB-ASS'Y.				1
28F5263	-8 SUB-ASS'Y.			1	
28F5261R	-8 SUB-ASS'Y.				1
28F5261	-8 SUB-ASS'Y.			1	
28F5254	-8 SUB-ASS'Y.			1	1
28F5253-20	.064×2¾×8⅝	ALC. SHT.	47A8-T	1	1
28F5259	9			1	1
Q5761-K8-46	9			1	1
28F5258	9			1	1
-9	SUB ASS'Y			1	1
-7R	.032×⅞×1¼	ALC. SHT.	47A8-T	1	1
-7L	.032×⅞×1¼	ALC. SHT.	47A8-T	1	1
-8R	SUB-ASSY				1
-8L	SUB-ASSY			1	

PARTS LIST PER ASSY. (REQ -0, -2, -3, -4, -5; LH / RH)

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY NONE	TOUCH UP AP						
HEAT TREAT	FINISH						

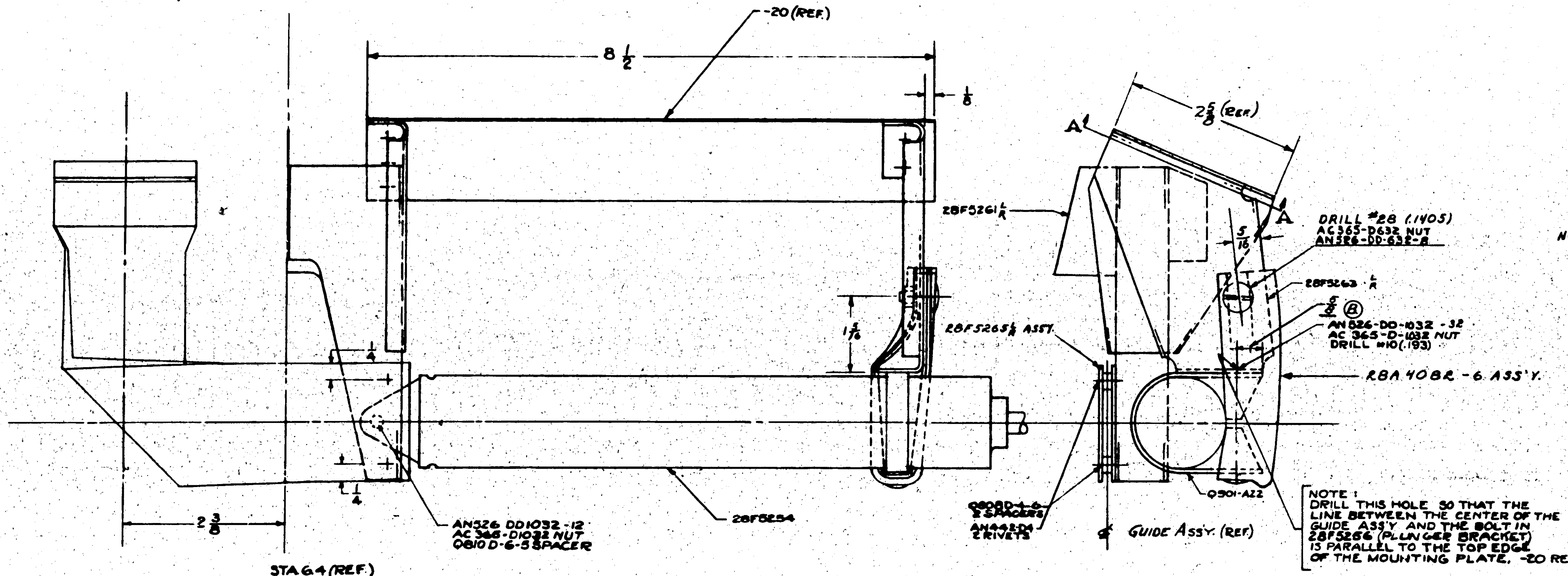
NAME: INS'T - ARM'T - BLISTER SHIELD SNUBBER

OPP. HAND 28F5253

DWG. SIZE G — 28F5253 — SHEET 1 OF 2

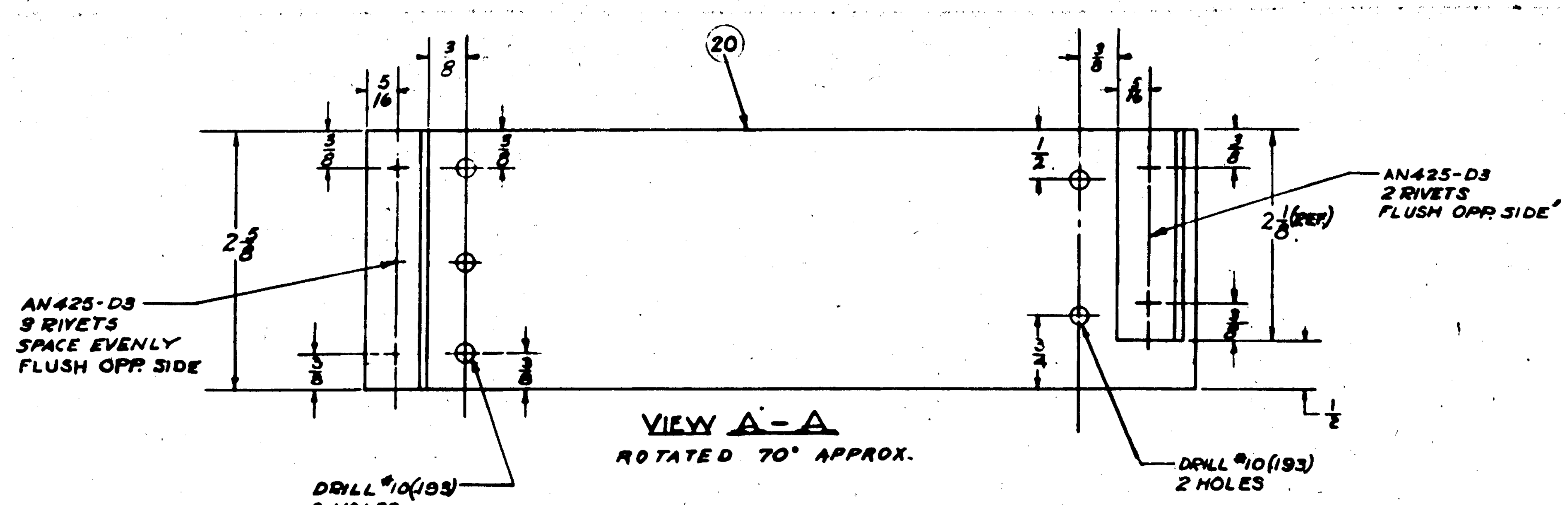
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	SHEET #2 DRAWING TRACED		
				B	[illegible] WAS APPROX [illegible] WT. CHG.		



-8 SUB-ASS'Y.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE



VIEW A-A
ROTATED 70° APPROX.

SEE SHEET 1 FOR B/M

ASSY DASH No	MODEL	NEXT ASSY	REQ
REQUIREMENTS PER AIRPLANE			
REPLACES			
REPLACED BY		CALC. WT	ACT. WT
LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32		SCALE 12"=1'-0"	
STAMP PART NUMBER WHERE SHOWN			

PART No	STOCK	MATERIAL	SPEC.	LH RH REQ -0	LH RH REQ -2	LH RH REQ -3	LH RH REQ -4	LH RH REQ -5
PARTS LIST PER ASSY.								

AC

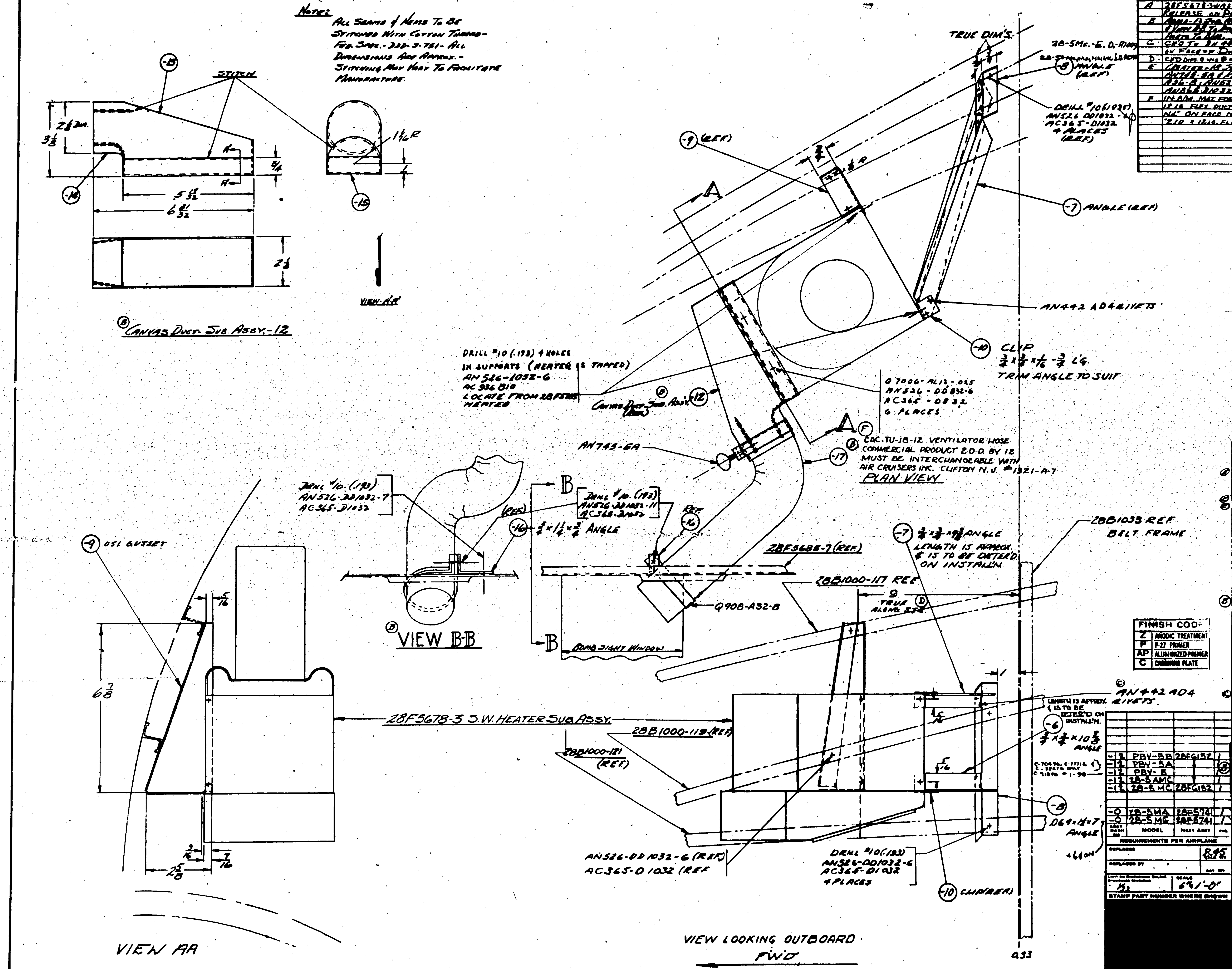
NAVY NONE — HEAT TREAT
TOUCH UP AP — FINISH
DRAFT | CHECK | STRUCT | WAT | APPROV | ENG

NAME: SNUBBER ASSY. - BLISTER SHIELD

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP HAND 28F5253 L

DWG. SIZE G — 28F5253 SHEET 2 OF 2



NOTE:- THIS DWG. HAS BEEN RUSH RELEASED FOR 5 SETS OF PARTS

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	28F5678-3 WAS 28F5768 RELEASE ON PRERELEASE	[illegible]	[illegible]				
B	[illegible] -12 SUB ASSY. - [illegible] -16, -17 & VIEW BB TO DWG. [illegible] PARTS TO B/M.	[illegible]	[illegible]				
C	CH'D TO AN442AD4 [illegible] ON FACE OF DWG & B/M.	5-9-41	[illegible]				
D	CH'D DIM. 9 WAS [illegible] ON FACE OF DWG.	[illegible]	[illegible]				
E	CREATED -18 SUB ASSY: ADDED AN743-6A & REMOVED Q908-A36-8; AN526-DD1032-10 & AN365-D1032	6-6-41	[illegible]				
F	IN B/M MAT. FOR -17 WAS "2" D x 12 IN. FLEX DUCT - AIR CRUISERS INC. N.J." ON FACE NOTE FOR -17 WAS "2 ID x 12 IN. FLEX. DUCT."	5-10-41	[illegible]				

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	HEAT ASSY	REQ.
-12	PBY-5B	28F6152	1
-12	PBY-5A		
-12	PBY-5		
-12	28-5AMC		1
-12	28-5MC	28F6152	1
-0	28-5MA	28F5741	1
-0	28-5ME	28F5741	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
AC365-D832				6
AN526-DD832-6				6
Q7006-AL12-.025				6
AN743-6A				1
28F5678-3				1
-17	CAC-TU-18-12 VENTILATOR HOSE AIR CRUISERS INC.			1
28F5270-12	SUB ASSY			1
	-18 SUB ASSY.			
28F5270-15	[illegible]	20 Oz./Yd.	Comm.	1
-14	[illegible]	20 Oz./Yd.		1
28F5270-13	EQUIVALENT	20 Oz./Yd.	Comm.	1
	28F5270-12 SUB. ASSEM.			
-10	K5401 x 3/4	AL ALLOY	46A9C-T	2
-8	.064 x 1 3/4 x 7	ALCLAD	47A8C-T	1
-7	K5401 x 9 3/8	AL. ALLOY	46A9C-T	1
28F5270-6	K5401 x 10 3/8	AL. ALLOY	46A9C-T	1
	28F5270-11	SUB ASSY.		
AN442AD4				
AC936 B10				4
AN526 [illegible] 1032-6				4
AN526 DD 1032-6				4
AC365-D1032				5
AN526-DD1032-11				1
AN526DD1032-7				1
Q908-A32-8				1
-16	Y6-A367 x 3/4	AL. ALLOY	46A9-T	1
28F5270-9	.051 x 3 3/4 x 7 3/4	ALCLAD	47A8-A	1
28F5270-18	SUB. ASSY.			1
28F5270-1	SUB ASS'Y			1

PARTS LIST PER ASSY.

SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

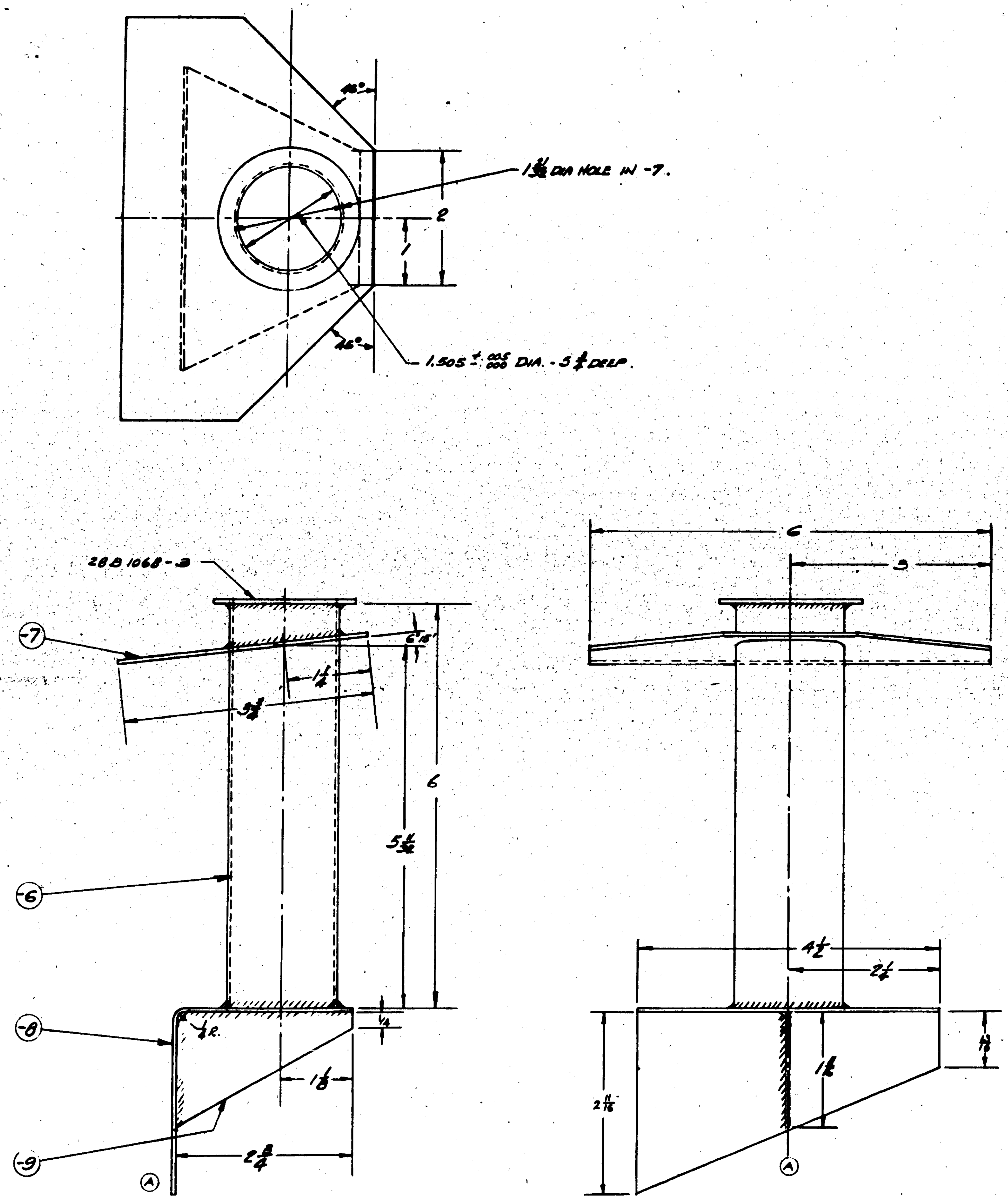
A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY 58-53 (HEAT TREAT)	ZP-AP (FINISH)	[illegible]	[illegible]	[illegible]	REG FMF		[illegible]

NAME: INSTALL'N - FURN'S - BOMBER'S HEATER & DEFROSTER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F5270

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	REVERSED CUT ON -8, CORRECTED SIDE VIEW TO SHOW FULL LENGTH OF FLANGE	[illegible]	[illegible]				
B	NORMALIZE 90,000 TO 125,000 P.S.I. AFTER WELD [illegible]	[illegible]	[illegible]				



ALL WELD 1/8 MAX AS SHOWN

(B) NORMALIZE 90,000 TO 125,000 P.S.I. AFTER WELDING.

3 SHIPS - SERIAL NO'S 2486, 2487, 2488
CONTRACT ORDER 70436
CHANGE NO. - Q - 1

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
28B1068-3				1				
-9	.120 × 1 7/8 × 2 3/4	CHROM MOLY SHEET	[illegible]	1				
-8	.120 × 4 1/2 × 5 1/2	CHROM MOLY SHEET	[illegible]	1				
-7	.120 × 3 1/2 × 6 1/2	CHROM MOLY SHEET	[illegible]	1				
-6	[illegible]	CHROM MOLY TUBE	[illegible]	1				

PARTS LIST PER ASSY.

MODEL	NEXT ASSY	NO.
7BY 3A	28F5280	1

REQUIREMENTS PER AIRPLANE

REPLACES

REPLACED BY

SCALE: 18" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

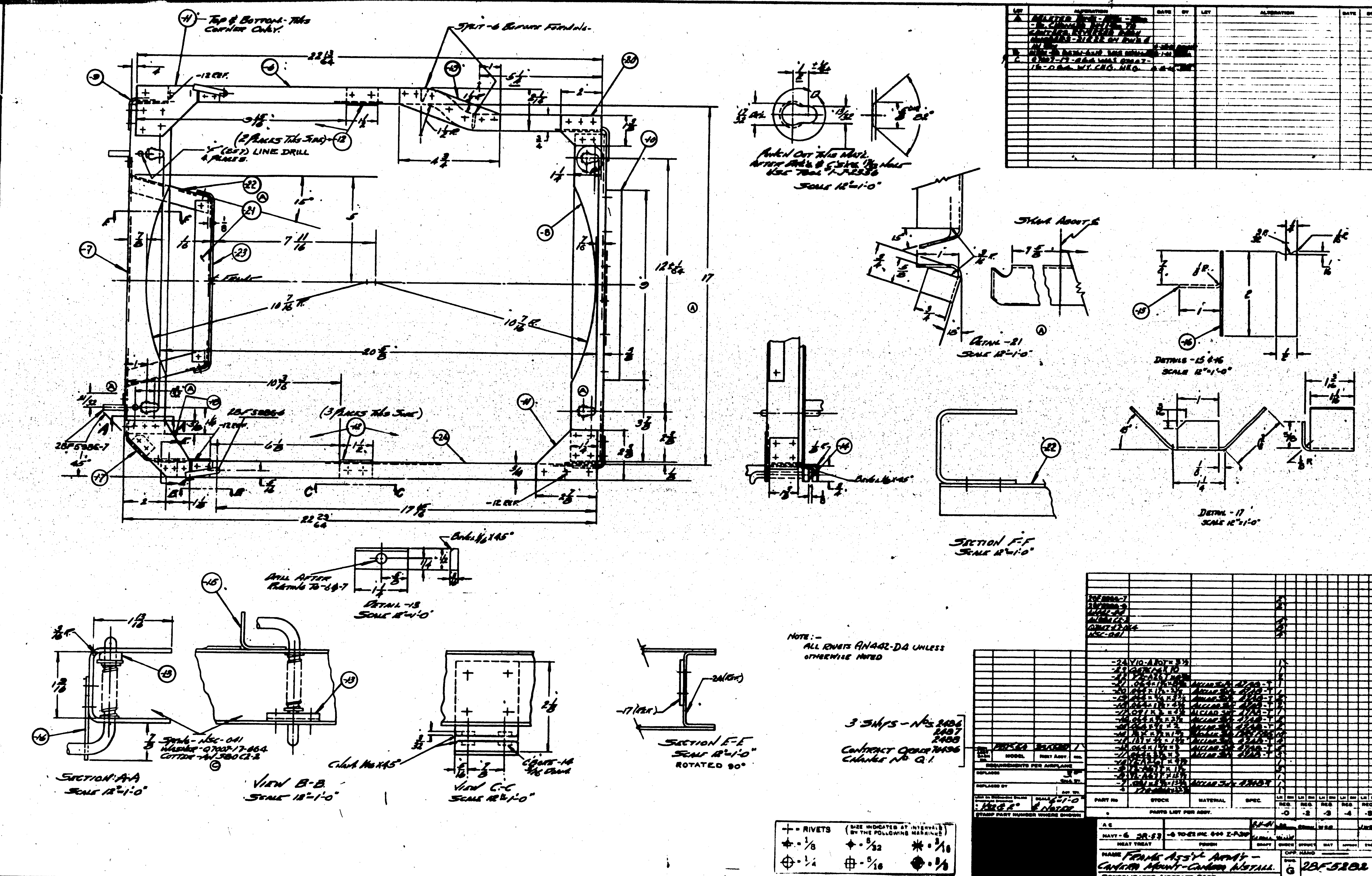
A C
NAVY NOTED
HEAT TREAT
C-P
FINISH
DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

NAME: SUPPORT CAMERA OPER. SEAT.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

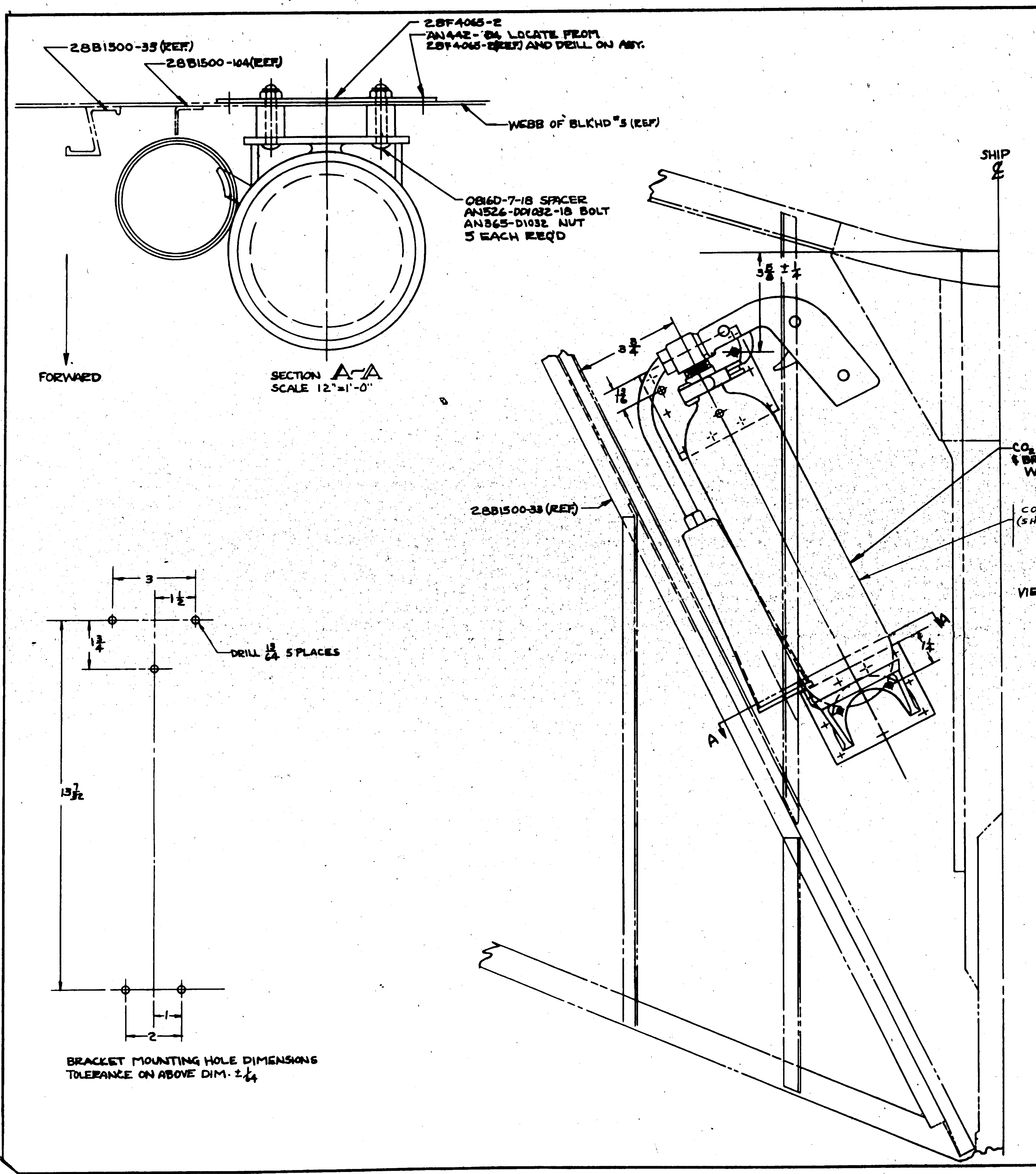
DWG. G 28F5281



TOP & BOTTOM - THIS CORNER ONLY.
SPLIT -6 BEFORE FORMING.
LINE DRILL
PUNCH OUT THIS METL. AFTER BENDING
SCALE 12"=1'-0"
SHEAR ABOUT
DETAIL -21
SCALE 12"=1'-0"
DETAILS -15 & 16
SCALE 12"=1'-0"
DETAIL -17
SCALE 12"=1'-0"
SECTION F-F
SCALE 12"=1'-0"
DRILL AFTER
DETAIL -13
SCALE 12"=1'-0"
NOTE:-
ALL RIVETS AN442-DA UNLESS OTHERWISE NOTED
SECTION A-A
SCALE 12"=1'-0"
VIEW B-B
SCALE 12"=1'-0"
VIEW C-C
SCALE 12"=1'-0"
SECTION E-E
SCALE 12"=1'-0"
ROTATED 90°
3 SHIPS - NOS. 2486 2487 2488
CONTRACT ORDER 74536 CHANGE NO. Q.1
RIVETS
REQUIREMENTS PER AIRPLANE
PARTS LIST FOR ASSY.
STOCK
MATERIAL
SPEC.
HEAT TREAT
FINISH
FRAME ASS'Y - AFT'Y - CAMERA MOUNT - CAMERA INSTALL.
CONSOLIDATED AIRCRAFT CORP.
28F5282

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	BROUGHT REQ/AIRPLANE BLOCK UP TO DATE. IN B/M ADD C.A.C. EXT. #3 TO CO_2 HAND FIRE EXT. NO WT. CHG.	11-12-41	MOE
				B	CREATED -2 ASSY. WT. CHG. NEG.	11-12-41	MOE
				C	REMOVE FROM FACE OF DRWG & B/M C.A.C. #BR-8 WALTER KIDDE #78224, NO WT. CHG.	5-8-43	

E.O.A. 54124 — E.O.A. 52101 — C.A.C. CHG. 15891



CO_2 HAND FIRE EXTINGUISHER & BRACKETS MODEL Z-A LUX WALTER KIDDE CO. DWG #91825E (FOR -0 ASSY.)

CO_2 HAND FIRE EXTINGUISHER (SHATTERPROOF) #92756 FOR -2 ASS'Y (C) (B)

VIEW LOOKING AFT BLK'HD #5 (REF)

MATERIAL NOTE!

THIS DRAWING REPLACES 28F4065 (INSTALL ON BLKD. #5.00 ONLY) & IS TO BE USED BY NAVY PERSONNEL TO RELOCATE EXTINGUISHER ON AIRPLANES #1 TO #48 INCL

THE FOLLOWING LIST OF MATERIAL WILL BE NEEDED BY NAVY TO ACCOMPLISH THIS INSTALL.

(C.A.C. CHG. #15891) C. #91876 #151 & ON

C. #91876 #1 TO 150

CONTRACT CHANGE "O" S.O. #106-34 TO BE INSTALLED BY C.A.C. ON AIRPLANES #49 TO #167 INCL. (SERIAL NOS. 2337 TO 2455 INCL.) PARTS TO BE FURNISHED BY C.A.C. & INSTALLED BY NAVY ON AIRPLANES #1 TO #48 INCL. (SERIAL NOS. 2289 TO 2336 INCL.) C. #70496

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-2	PBY-5	28F1002	1
-0	28-5MA	28F5502	1
-0	28-5MC	28F5502	1
-0	28-5ME	28F5502	1
-0	28-5MN	28F5502	1
-0	PBY-5B	28F7002	1
-0	PBY-5	28F7002	1

REQUIREMENTS PER AIRPLANE

REPLACES DETAIL OF 28F4065 — CALC. WT. 7.25 — REPLACED BY — ACT. WT.

SCALE 6"=1'-0" — STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
CO_2 HAND FIRE EXTINGUISHER & BRACKETS MODEL Z-A LUX WALTER KIDDE CO. DWG #91825E (C.A.C. EXT. #3)				1				
EXTINGUISHER #92756 C.A.C. # EXT 2-51					1			
AN442-D4								
AN526-DD1032-18				5	5			
AC365-D1032-				5	5			
0816D-7-18				5	5			
28F4065-2				2	2			

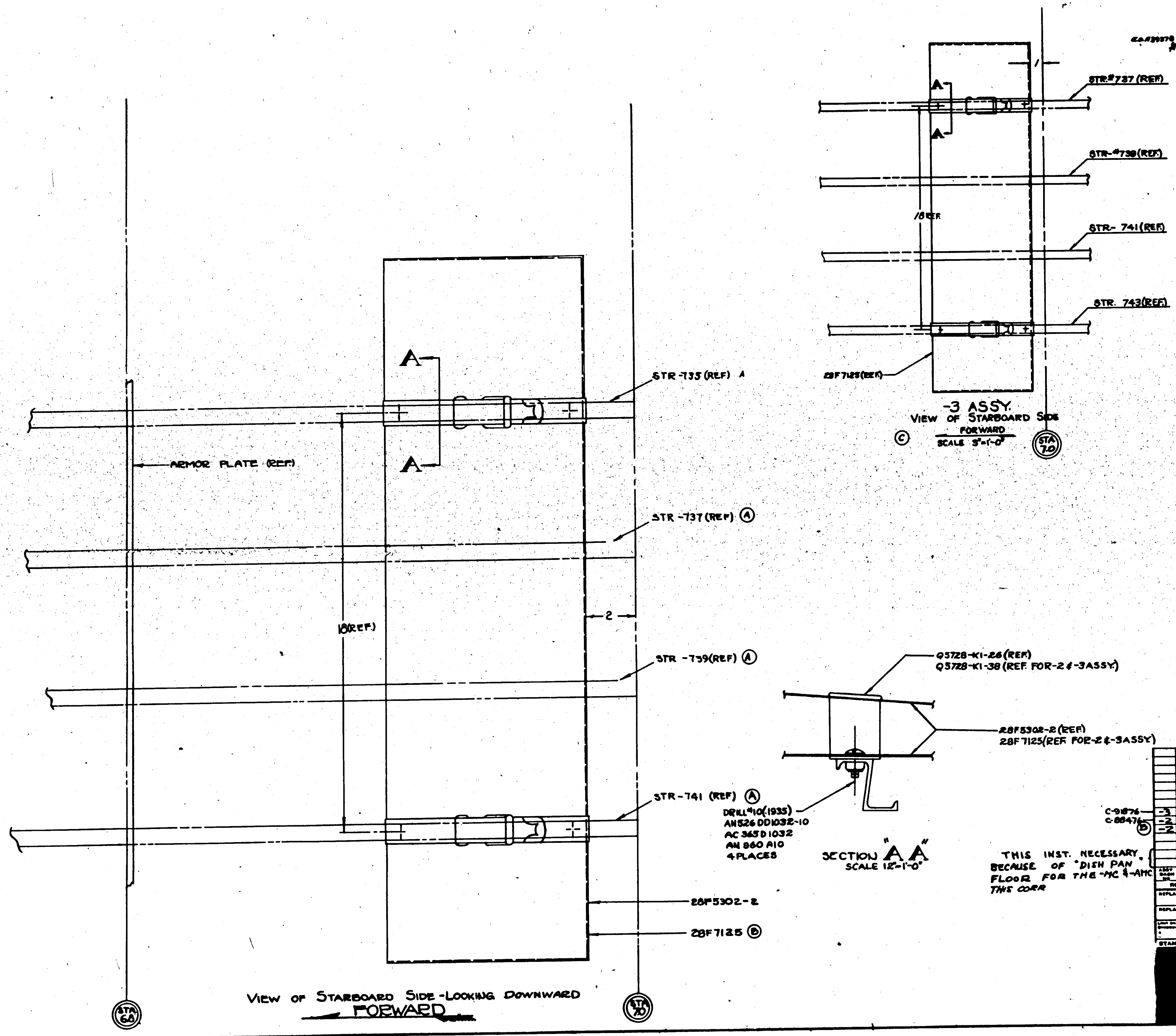
PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AC / NAVY NONE	TOUCH-UP						

NAME: INSTALL-FURNS. HAND FIRE EXTINGUISHER BLK'HD #5

SIZE G — DWG. 28F5289

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY
A	ON FACE OF DWG. REF. STRINGERS 735 WAS 737, 737 WAS 736, 739 WAS 738, & 741 WAS 740	7-11-41	[illegible]
B	-2 ASSY. ADDED FOR PBY-5B	11-24-41	BAKER
C	CREATED -3 ASSY. AND WXCN8	6-1-42	EME

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
-3	PBY-5	28F1002	1
-2	PBY-5A	28F6002	1
-2	PBY-5B	28F7002	1
	28-5AMC	28F6005	1
	28-5MC	28F5502	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN960 A10				4	4	4		
AN526 DD1032-10				4	4	4		
AC365 D1032				4	4	4		
28F7125					1	1		
28F5302-2				1				
-0								

PARTS LIST PER ASSY.

REPLACES: — CALC. WT .60
REPLACED BY: — ACT. WT

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 6" = 1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE (HEAT TREAT)	NONE (FINISH)	FITTS 4/17/41	SEWELL 4/22/41	GREEN	D.M. / W.F.S.	J.W.L.	C.N.

NAME: INST.-FURN.-COMPASS-02 SUPPORT STOWAGE

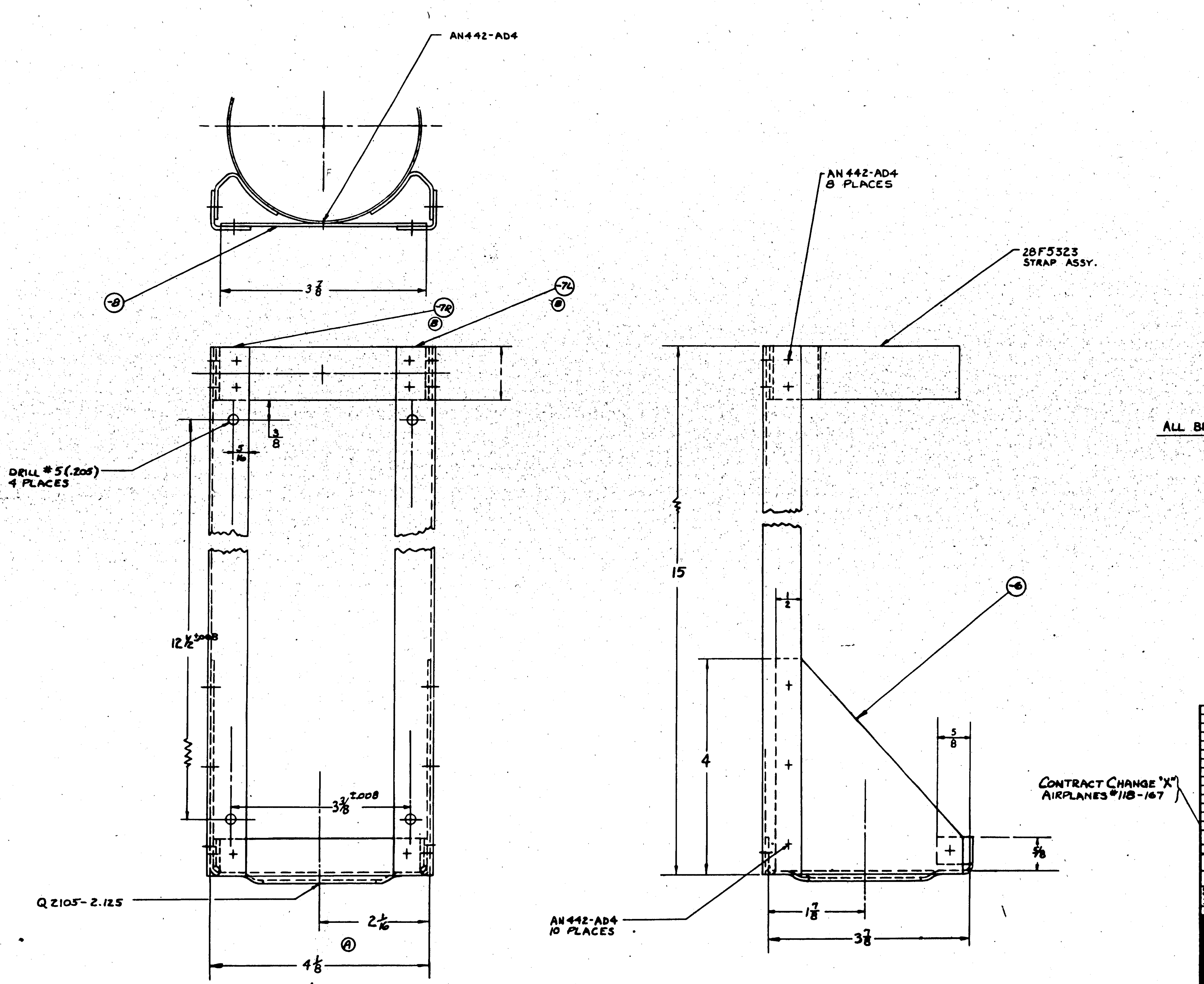
OPP. HAND: NONE

DWG. SIZE: G — DWG. NO. 28F5301

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	CHANGED MATERIAL OF -7.		
	CHANGED POSITION OF DIM. ON -6		
B	ON DRAWING & IN B/M		
	CHANGED -7 TO -7L&R		



ALL BEND & RELIEF RADII TO BE 1/8

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY.	REQ.
PBY-3	29F4377	1
PBY-5	28F5326	1

REQUIREMENTS PER AIRPLANE

REPLACES — .54 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN442-AD4				
28F5323				1
-8	.064X1 1/16X4 1/2	ALC 24ST	[illegible]	1
(A)(B) -7R	K5401X16	24ST	[illegible]	1
-7L	K5401X16	24ST	[illegible]	1
-6	.032X14X7	ALC 24 SO	[illegible]	1

PARTS LIST PER ASSY.

AC

NAVY SR-53 — HEAT TREAT

Z-P-2AP — FINISH

DRAFT 9-15-41 — CHECK — STRUCT — MAT. — APPROV. — ENG.

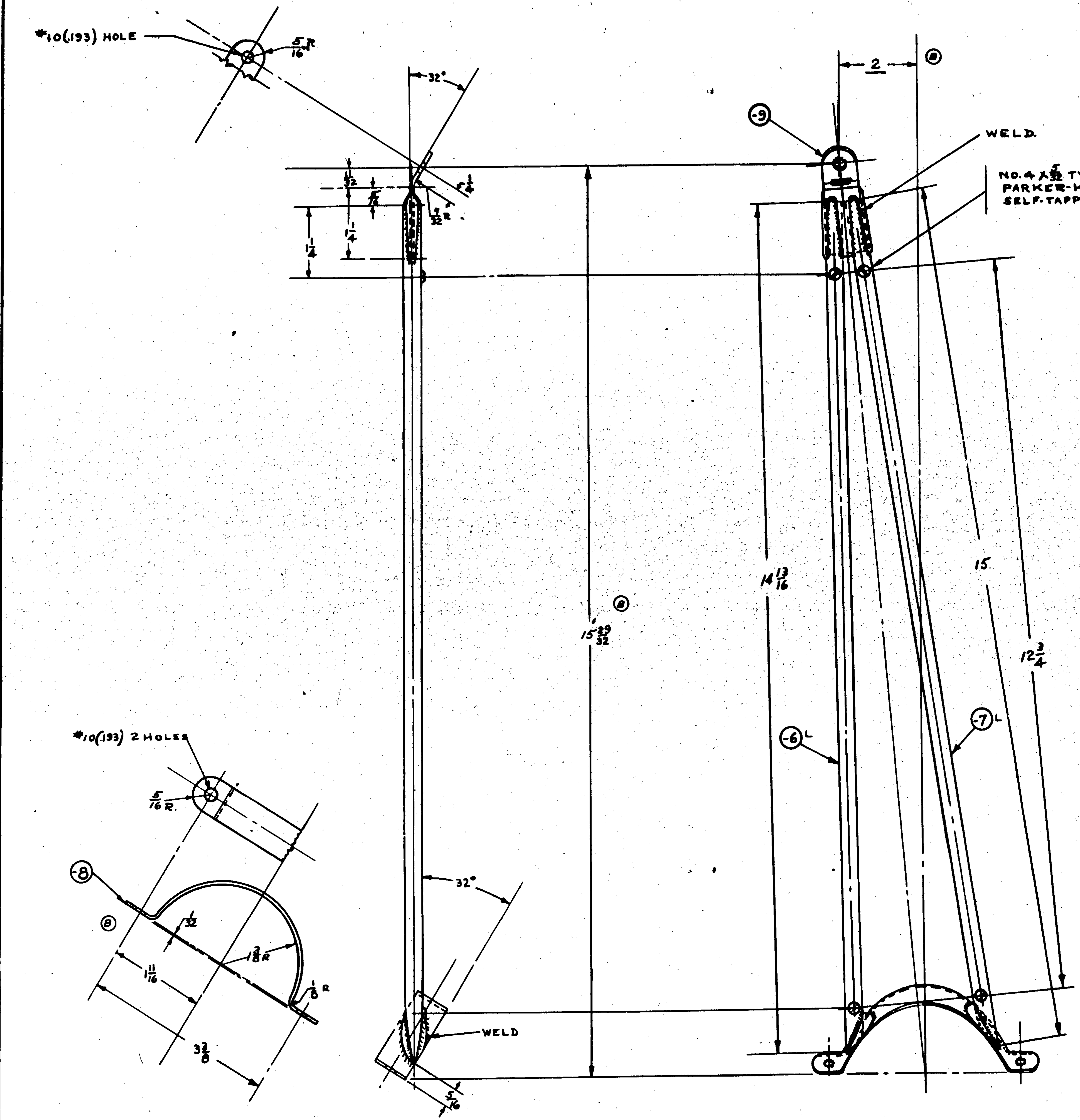
OPP. HAND

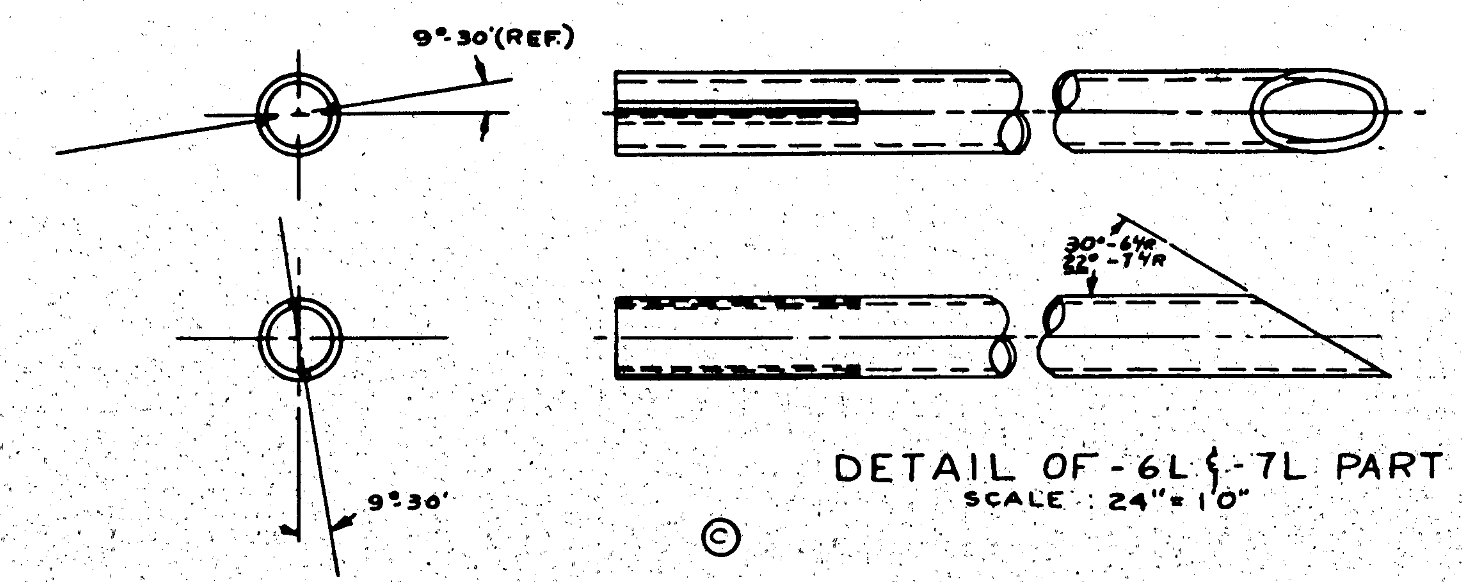
NAME: BRACKET ASSY - FURNS FIRE EXTINGUISHER BOTTLE

DWG. SIZE G — 28F5324

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	CHG'D NO 4x5/32 WAS NO 4 x 3/16 PARKER SCREWS WT. CHG. [illegible]	[illegible]	[illegible]
B	ADDED DIM 5/32 & RELOCATED DIM. LOC. DIMS. 15 29/32 WAS 15 [illegible] & 2 WAS 1 [illegible]. NO WT. CHG.	[illegible]	[illegible]
C	ADD DETAIL OF -6L & -7L PART TO B/M ADD. -6R & -7R. ADD NOTE -6L... OPPOSITE WT. CHG NEG	2-4-43	MOE
D	ON FACE OF DWG -7L/R 32° ANGLE WAS 16° WT. CHG. NEG	[illegible]	[illegible]
E	[illegible] NO WT. CHG.	[illegible]	[illegible]





DETAIL OF -6L & -7L PART
SCALE : 24" = 1'0"

NOTE :-
-6L & -7L AS SHOWN.
-6R & -7R OPPOSITE.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

C.88476 #53 TO MCR 237E
C.91876 #91 TO MCR 237E

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-R	PBY-5A	28F6635	1
-L	PBY-5A	28F6635	1
-R	PBY-5	28F6635	1
-L	PBY-5	28F6635	1

REQUIREMENTS PER AIRPLANE

REPLACES — .35 # CALC WT
REPLACED BY — ACT WT
LIMITS: 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL			
	No. 4 x 5/32 TYPE Z (F5CR-3) PARKER KALON SELF TAPPING SCREWS			4	4
-9	.031 x 5/8 x 2	CHROME MOLY	AN-QQ-S-685	1	1
-8	.031 x 5/8 x 5 5/8	CHROME MOLY	AN-QQ-S-685	1	1
-7R	.035 x 5/16 OD x 15 3/4	CHROME MOLY TUBE	AN-WW-T-850	1	1
-7L	.035 x 5/16 OD x 15 3/4		AN-WW-T-850	1	1
-6R	.035 x 5/16 OD x 15		AN-WW-T-850	1	1
-6L	.035 x 5/16 OD x 15	CHROME MOLY TUBE	AN-WW-T-850	1	1

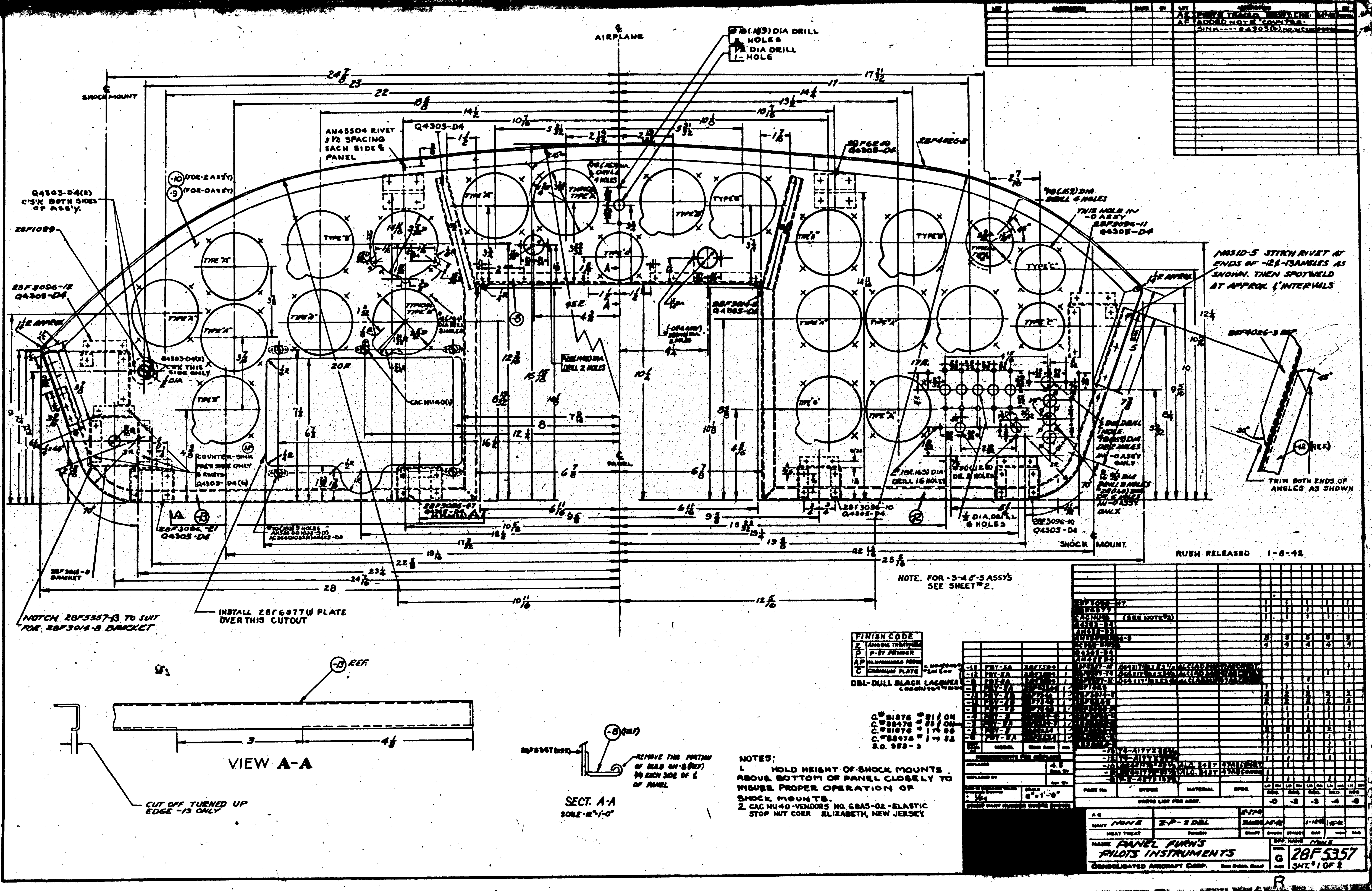
PARTS LIST PER ASSY

REQ -0, -2, -3, -4, -5

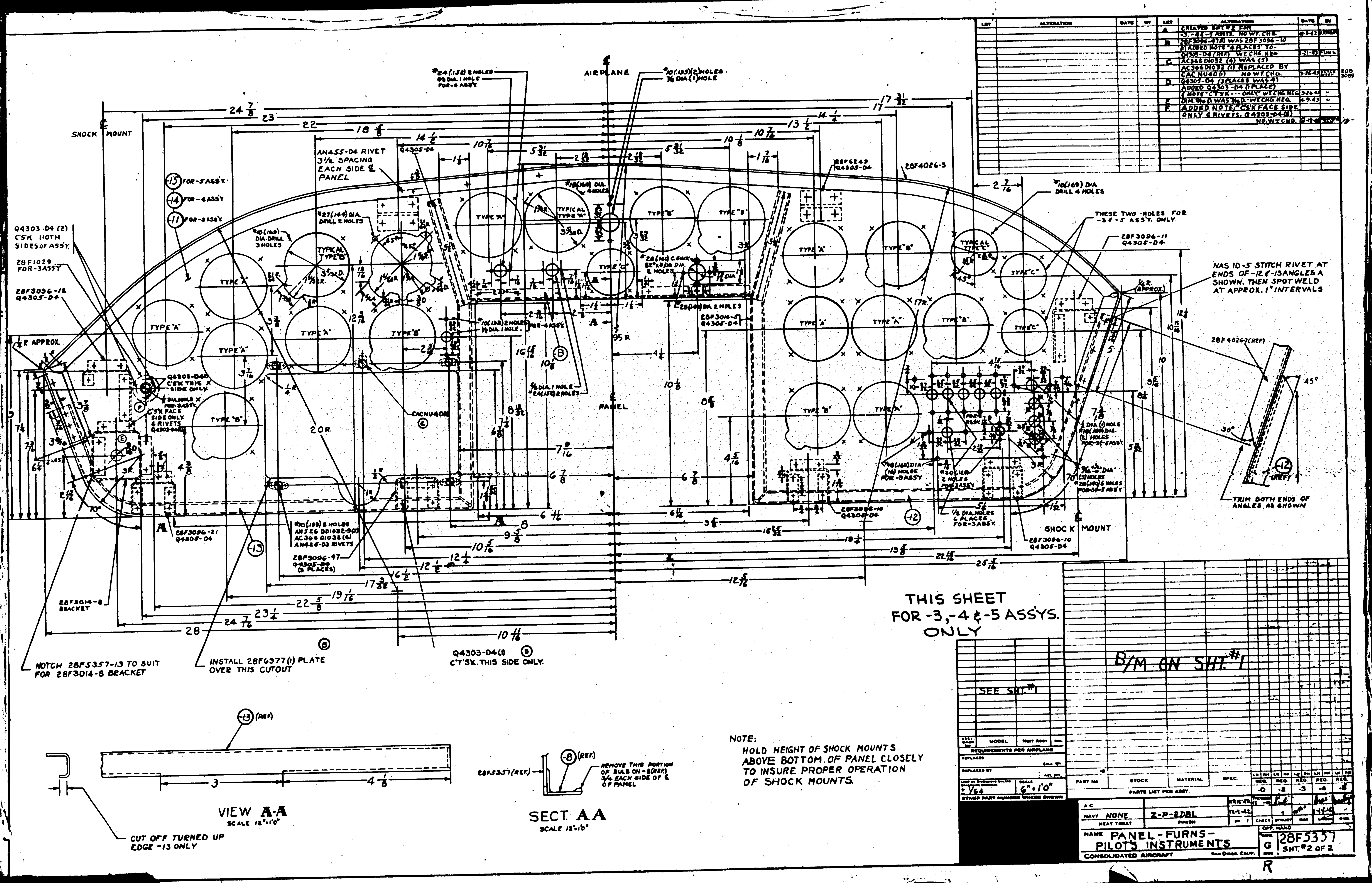
HEAT TREAT: NORMALIZE 90,000 NAVY 125,000 # SQ IN.
FINISH: C - P
DRAFT: KONEN 8-5-42 — CHECK: [illegible] — LEHMAN — 8-15 — J.C.H. — KENNEDY — STROM — [illegible]

NAME SUPPORT ASSY-FURNS-Z.A. LANDING-ANTENNA.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
UPP BAND 28F5348-R
SIZE G — 28F5348

R 28F5348

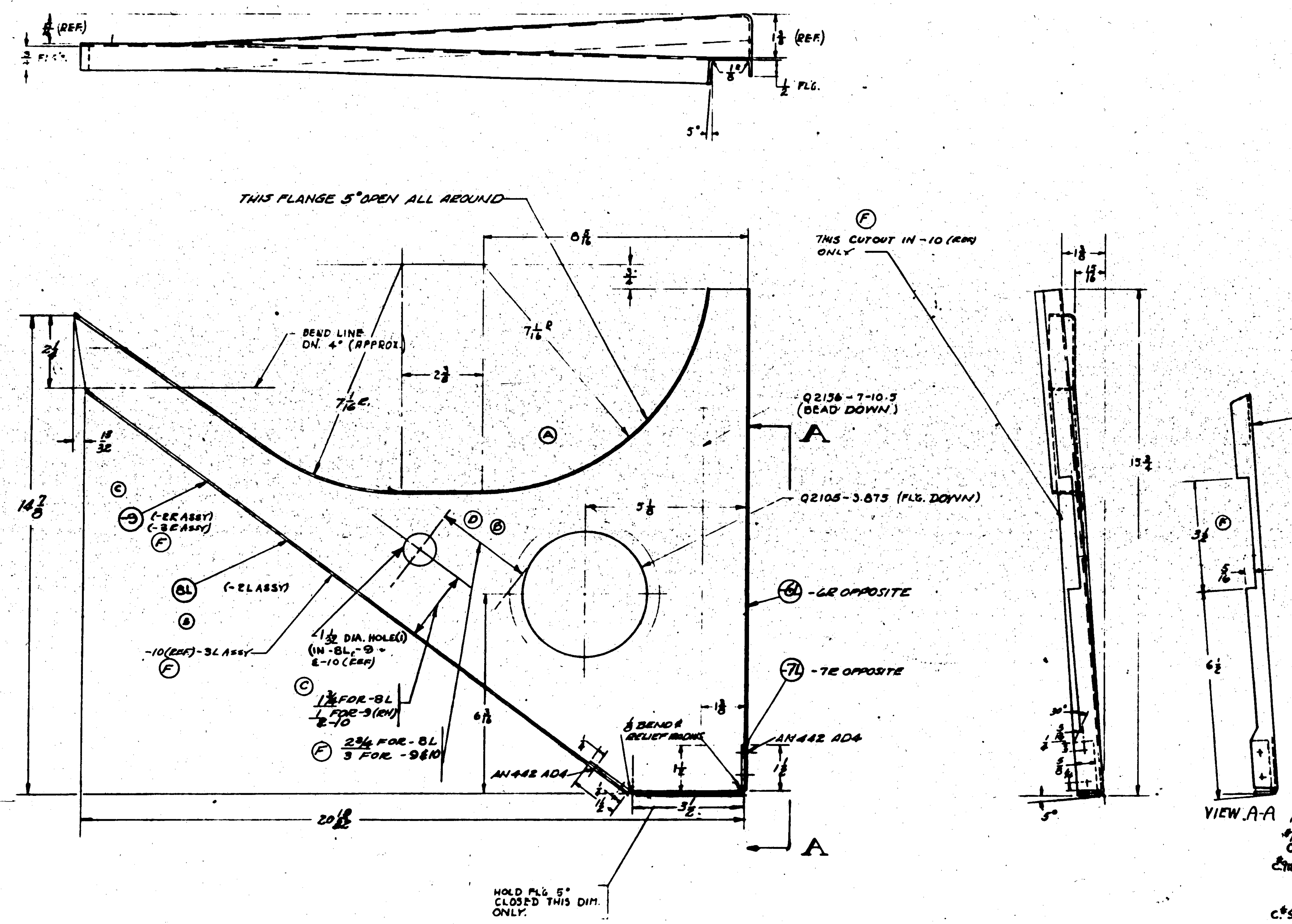


AIRPLANE
SHOCK MOUNT
AN455D4 RIVET 3 1/2 SPACING EACH SIDE ℄ PANEL
Q4305-D4
Q4303-D4(2) C'S'K BOTH SIDES OF ASS'Y.
28F1029
28F3096-12 Q4305-D4
28F4026-3
28F6249 Q4305-D4
THIS HOLE IN -0 ASSY
28F3096-11 Q4305-D4
MS10-5 STITCH RIVET AT ENDS OF -12 & -13 ANGLES AS SHOWN. THEN SPOTWELD AT APPROX. 1" INTERVALS
28F4026-3 REF.
TRIM BOTH ENDS OF ANGLES AS SHOWN
CAC NU40(1)
COUNTER-SINK FACE SIDE ONLY
Q4303-D4(4)
28F3096-21 Q4305-D4
28F3096-10 Q4305-D4
SHOCK MOUNT.
RUSH RELEASED 1-6-42
NOTE. FOR -3-4 & -5 ASSY'S SEE SHEET #2.
NOTCH 28F5357-13 TO SUIT FOR 28F3014-8 BRACKET
INSTALL 28F6977(1) PLATE OVER THIS CUTOUT
VIEW A-A
CUT OFF TURNED UP EDGE -13 ONLY
SECT. A-A
REMOVE THIS PORTION OF BULB ON -8 (REF) 3/4 EACH SIDE OF ℄ OF PANEL
FINISH CODE
DBL-DULL BLACK LACQUER
NOTES;
1. HOLD HEIGHT OF SHOCK MOUNTS ABOVE BOTTOM OF PANEL CLOSELY TO INSURE PROPER OPERATION OF SHOCK MOUNTS.
2. CAC NU40-VENDORS NO. G8A5-02-ELASTIC STOP NUT CORP. ELIZABETH, NEW JERSEY.
PANEL FURN'S PILOTS INSTRUMENTS
CONSOLIDATED AIRCRAFT CORP.
28F5357
SHT. #1 OF 2


THIS SHEET
FOR -3,-4 & -5 ASSYS.
ONLY
B/M ON SHT. #1
SEE SHT. #1
NOTE:
HOLD HEIGHT OF SHOCK MOUNTS
ABOVE BOTTOM OF PANEL CLOSELY
TO INSURE PROPER OPERATION
OF SHOCK MOUNTS.
VIEW A-A
SCALE 12"=1'0"
SECT. AA
SCALE 12"=1'0"
CUT OFF TURNED UP
EDGE -13 ONLY
NOTCH 28F5357-13 TO SUIT
FOR 28F3014-8 BRACKET
INSTALL 28F6377(1) PLATE
OVER THIS CUTOUT
Q4303-D4(1)
C'T'SK. THIS SIDE ONLY.
NAS ID-5 STITCH RIVET AT
ENDS OF -12 & -13 ANGLES AS
SHOWN. THEN SPOT WELD
AT APPROX. 1" INTERVALS
TRIM BOTH ENDS OF
ANGLES AS SHOWN
SHOCK MOUNT
AIRPLANE
PANEL
NAME PANEL-FURNS-
PILOT'S INSTRUMENTS
CONSOLIDATED AIRCRAFT
G 28F5357
SHT. #2 OF 2

LET	ALTERATION	DATE	BY
A	REMOVED NOTE "HOLD-- ---ONLY." (No Wt. CHG.)		
B	CREATED -8L ASSY. - No Wt. Chg.		
C	ADDED -9 & CREATED -2R ASSY. LIMITED -0R ASSY FOR PBY-5 TO C-91876 #1 TO 90. WT. CHG. NEG.		
D	DIM 1¾ WAS 2¾ FOR -8L & DIM 2¾ WAS 3 FOR -2L		
E	ADD TO REQ'TS/AIRPLANE BLOCK -3L&R FOR PBY-5A-C... NEXT ASS'Y 28F6256. NO WT. CHG.		
F	ADDED SEC. A-A SHOWING 3½ CUTOUT IN FLANGE, CREATED -3 ASSY IDENTICAL TO -2 ASSY EXCEPT -10 IN -3L REPLACES -8 IN 2L RESTRICTED -2L&-2R DP TO NCR 254-4. ADDED -3L&R FOR NCR 254-4	5-27-43	

E.O. AG40758 — B; E.O. 4108388 — C; E.O. A90108 — D; MCR254-4 — F



FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP - GREEN PRIME

DASH NO.	MODEL	NEXT ASSY.	REQ.
-3R	PBY-5A	28F6256	1
-3L	PBY-5A	28F6256	1
-2R	PBY-5A	28F6256	1
-2L	PBY-5A	28F6256	1
-2R	PBY-5	28F6256	1
-2L	PBY-5	28F6256	1
-R	PBY-5B	28F6256	1
-L	PBY-5B	28F6256	1
-R	PBY-5	[illegible]	1
-L	PBY-5	[illegible]	1
-R	PBY-5A	[illegible]	1
-L	PBY-5A	28F6256	1

REQUIREMENTS PER AIRPLANE

NCR 254-4 -3 ON; 1 TO NCR 254-4; CNQ4404; C-91876-91 & ON; C-91876-1-90; CONT. # 88476, PER SALES ORDER 353-B

REPLACES — .65 EST. WT.
REPLACED BY — ACT. WT.
UNIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/64, ± 0°30'
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-10	.051 x 20 x 24	ALCLAD	AN-QQ-A-... Cond A
-9	.051 x 20 x 24	AL. ALC.	... Cond A
-8L	.051 x 20 x 24	AL. ALC. 24SO	... Cond A
-7L	.051 x 3½ x 6¾	ALC. 24ST	... Cond T
-7L	.051 x 3½ x 6¾	ALC. 24ST	... Cond T
-6	.051 x 20 x 24	AL. ALC. 24SO	... Cond A
-6	.051 x 20 x 24	AL. ALC. 24SO	... Cond A

PARTS LIST PER ASSY. — -0, -2, -3, -4, -5

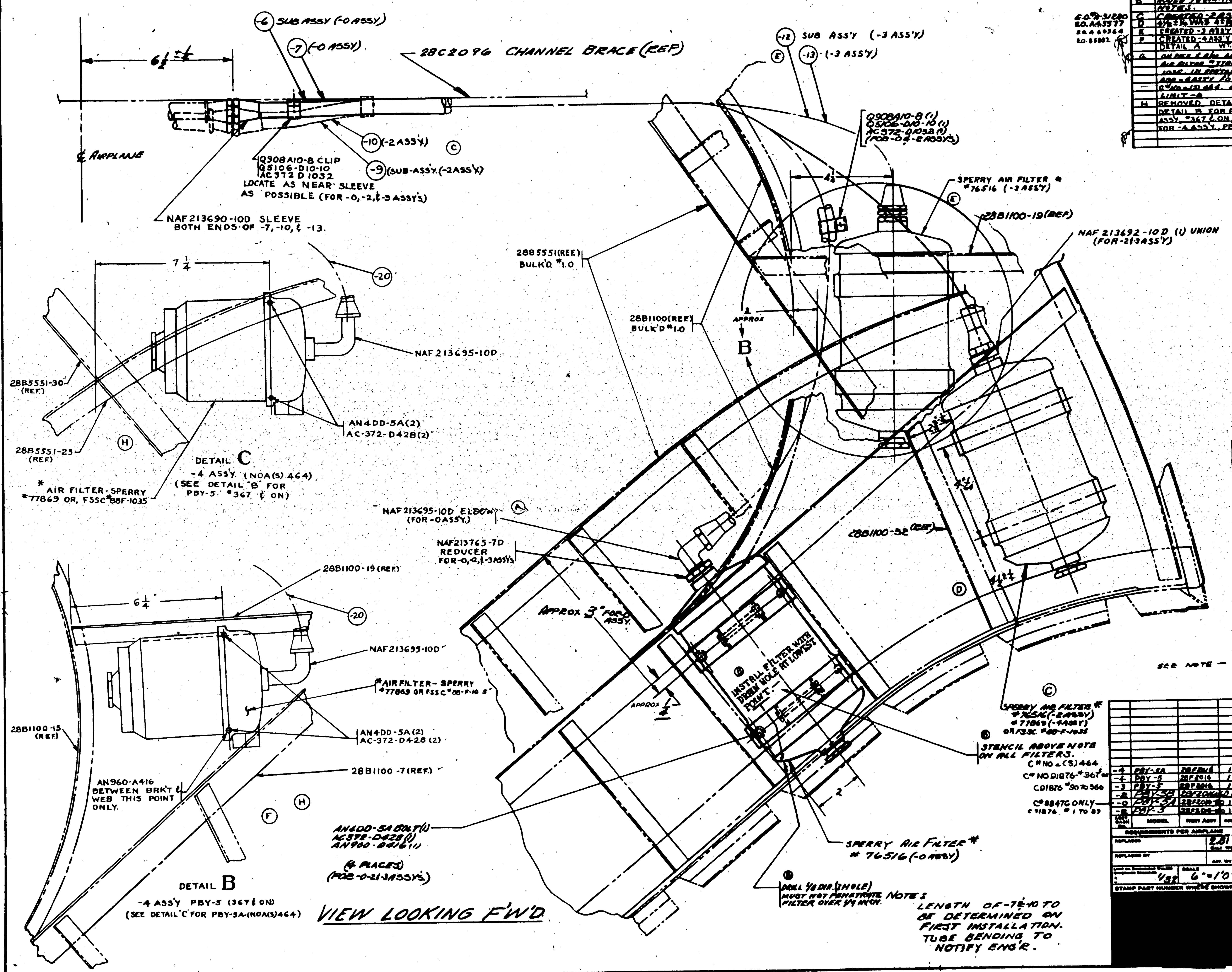
A C		
NAVY 3R-53 (T)	Z-P-GP	
HEAT TREAT	FINISH	DRAFT

NAME: BRKT. - FURN'S. - PILOTS PANEL - A3 GYROPILOT MOUNTING UNIT

OPP. HAND 28F5358-R

DWG. G 28F5358

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.



LET	ALTERATION	DATE	BY
A	ON FACE & ASSY. NAF213695-10D WAS NAF219711-10D. (WT. CHG. NEG.)	3-21-40	[illegible]
B	ADDED 1/8 DIA. HOLE & STENCIL NOTES.	4-3-41	[illegible]
C	CREATED -2 ASSY NO WT. CHG.	[illegible]	[illegible]
D	4 1/2 ± 1/4 WAS 4 1/2. NO WT. CHG.	[illegible]	[illegible]
E	CREATED -3 ASS'Y. NEG WT CHG	[illegible]	[illegible]
F	CREATED -4 ASS'Y ALSO MADE DETAIL A WT. CHG. NEG.	4-19-43	ADLING
G	ON FACE & ASSY ADD TO SPERRY AIR FILTER #77869, FSSC #88-F-1035. IN PARTS LIST & REPLACE BLOCK ADD -4 ASS'Y FOR PBY-5A C# NO (S) 464. NO WT. CHG. LIMIT -A	[illegible]	[illegible]
H	REMOVED DETAIL A, ADDED DETAIL B FOR PBY-5 -4 ASS'Y, #367 & ON, & DETAIL C FOR -4 ASS'Y, PBY-5A (NOA(S)) 464 NO WT. CHG.	10-11-43	CARTER

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-4	PBY-5A	28F2016	1
-4	PBY-5	28F2016	1
-3	PBY-5	28F2016	1
-2	PBY-5B	28F2016-10	1
-0	PBY-5A	28F2016-10	1
-2	PBY-3	28F2016-10	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0	-2	-3	-4	-5
NAF213690-10D								
-21	1/4 O.D. x .042	AL. AL. TUBE	WW-T-787				1	
-20	SUB ASS'Y							
NAF213690-10D						2		
-13	1/4 O.D. x .042 TUBE	AL. AL. 52S0	44T-32-A			1		
-12	SUB ASS'Y							
NAF213690-10D					2			
-10	1/4 O.D. x .042 TUBE	AL. AL. 52S0	44T-32-A		1			
28F5363-9	SUB ASSY.							
NAF213690-10D				2				
-7	1/4 O.D. x .042 TUBE	AL. AL. 52S0	44-T-32-A	1				
28F5363-6	SUB. ASSY.							
AN960-A416				—	4	4	1	
AN960-D416				4	—			
AN4-DD5A				4	4	4	2	
NAF213695-10D				1	—		1	
NAF213765-7D				1	1	1	1	
NAF213692-10D				—	1	1		
Q908A10-8				2	2	2	2	
Q5106-D10-10				2	2	2	2	
AC372-D1032				2	2	2	2	
AC372-D428				4	4	4	2	
SPERRY AIR FILTER #77869 OR F.S.S.C. #88-F-1035							1	
SPERRY AIR FILTER #76516 (GOV. FURN.)*				1	1	1		
-20	SUB ASS'Y						1	
-12	SUB ASS'Y					1		
-9	SUB. ASSY.				1			
-6	SUB. ASSY			1				

PARTS LIST PER ASSY.

REPLACES — 2.81 CALC. WT.
REPLACED BY — ACT. WT.
1/32 — SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN

AC — NAVY — HEAT TREAT — FINISH — DRAFT — CHECK — STRUCT — MAT — APPROV — ENG

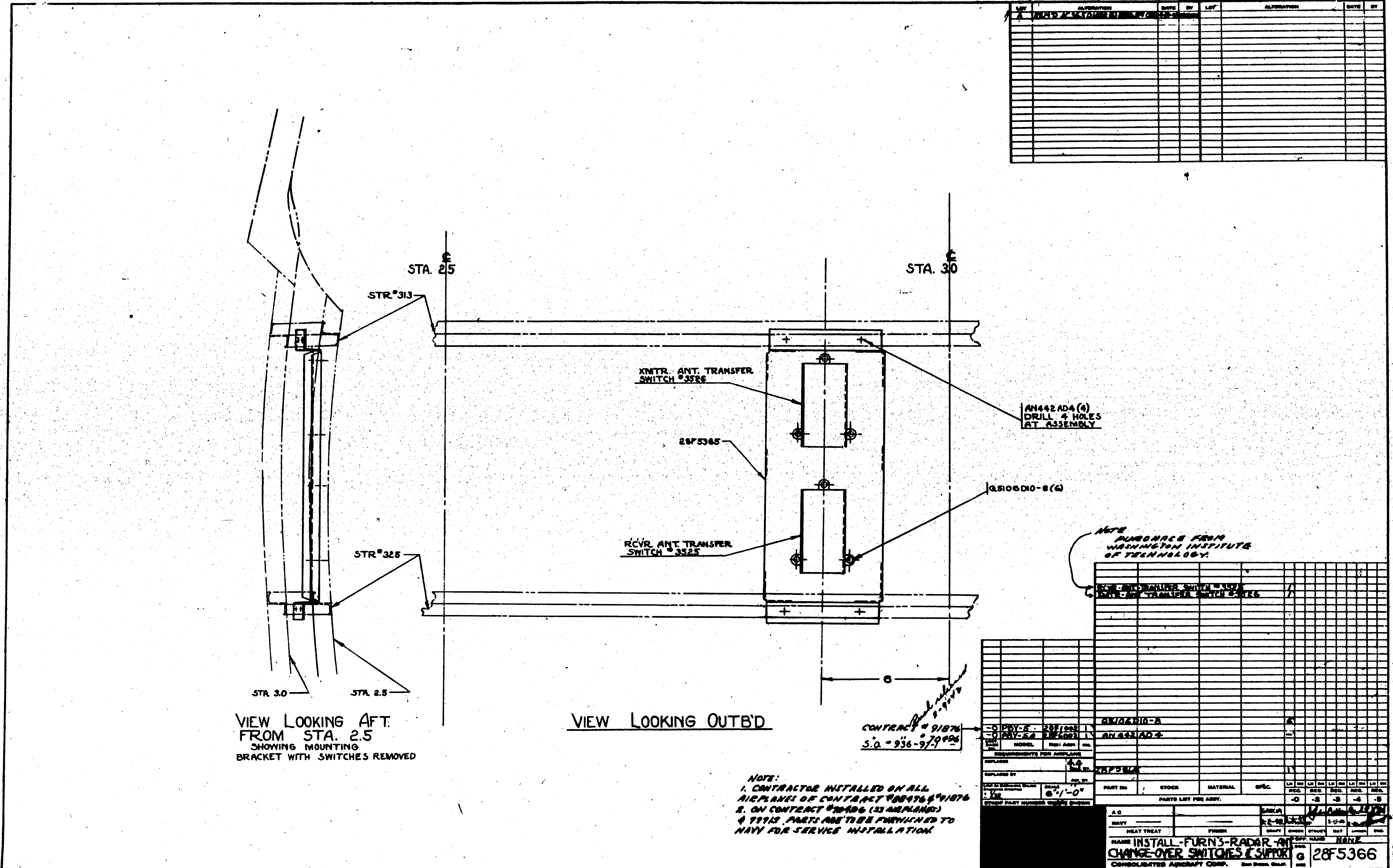
OPP. HAND

NAME INSTALL. - GYRO PILOT AIR FILTER

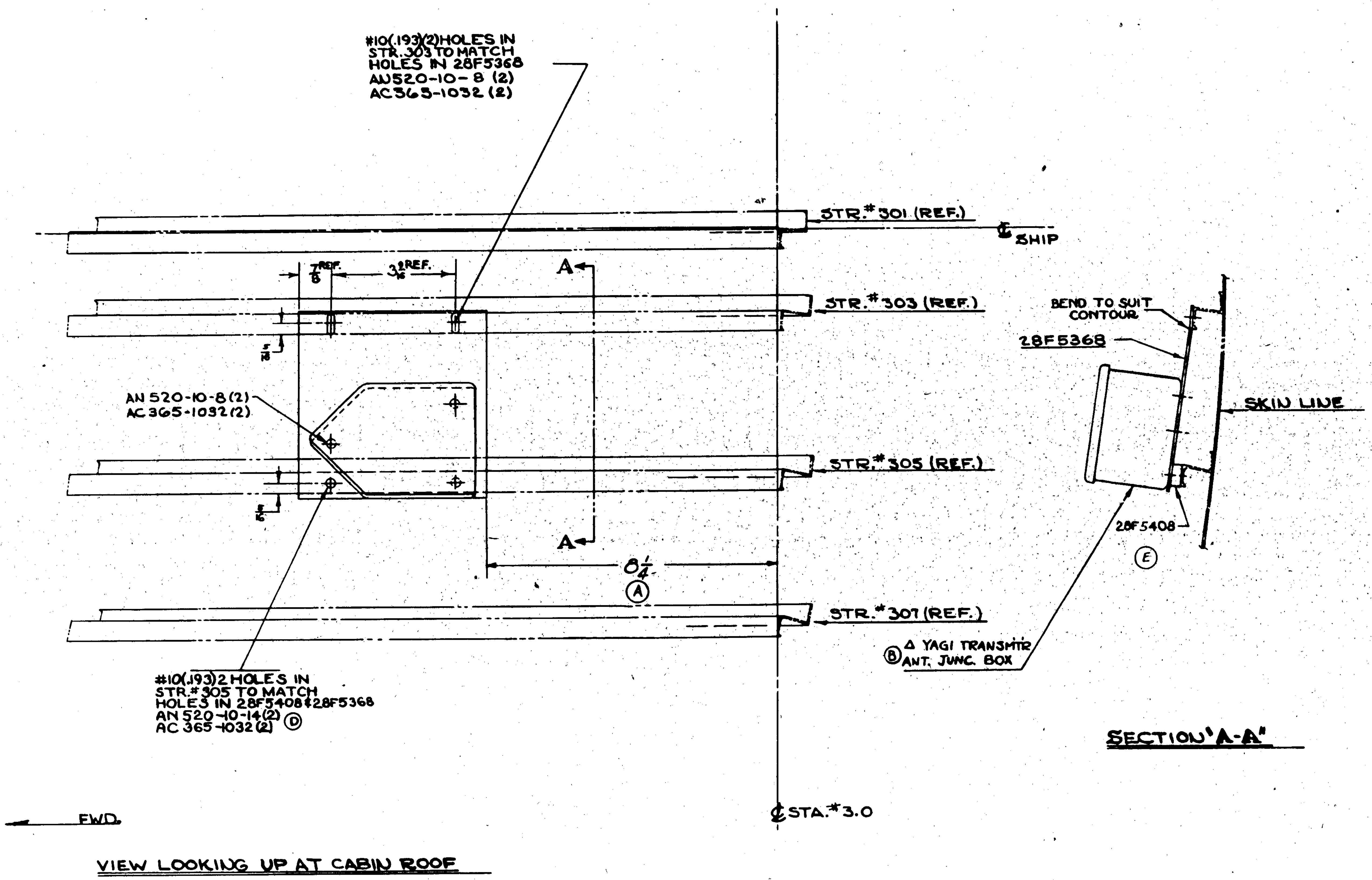
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F5363

R 28F5363


STA. 2.5
STA. 3.0
STR #313
STR #325
XMTR. ANT. TRANSFER SWITCH #3526
RCVR. ANT. TRANSFER SWITCH #3525
28F5365
AN442AD4 (4) DRILL 4 HOLES AT ASSEMBLY
6
VIEW LOOKING AFT FROM STA. 2.5 SHOWING MOUNTING BRACKET WITH SWITCHES REMOVED
VIEW LOOKING OUTB'D
CONTRACT #91876 #70496
S.O. - 936-97
NOTE: PURCHASE FROM WASHINGTON INSTITUTE OF TECHNOLOGY.
RCVR. ANT. TRANSFER SWITCH #3525
XMTR. ANT. TRANSFER SWITCH #3526
AN442AD4
28F5366
NOTE: 1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT #88476 & #91876
2. ON CONTRACT #70496 (53 AIRPLANES) & 99915, PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTALLATION.
-0 PBY-5 28F1002
-0 PBY-5A 28F6002
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
PART No
STOCK
MATERIAL
SPEC.
PARTS LIST FOR ASSY.
REQ. -0 -2 -3 -4 -5
A C
NAVY
HEAT TREAT
FINISH
DRAFT
CHECK
STRUCT
MAT
ENG.
OPP. HAND NONE
NAME INSTALL-FURN'S-RADAR-ANT CHANGE-OVER SWITCHES & SUPPORT
G
28F5366
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
R

LET	ALTERATION	DATE	BY
A	BOX WAS LOCATED BETWEEN STR#305 & #307 — 8¼ WAS 7 CALLED FOR 4 SCREWS TO MOUNT PLATE IN PLACE OF 6 RIVETS - CHANGED B/M ACCORDINGLY — RE-LOCATED BOX BETWEEN STR. #303 & #305.	2-7-42	BOWER
B	REMOVED 28F5369 FROM FACE & B/M - REPLACED BY YAGI XMTR. ANT. JCT. BOX. ADDED PURCHASE NOTE.	3-10-42	
C	E.O.#33612—ADDED 28F6408, REMOVED REQ'M'TS FOR (2) AN520-10-8 ADDED REQ'M'TS FOR (2) AN520-10-13. ON FACE OF DWG. B/M. REMOVED -6 SUB-ASSY. (E.O.#A30881)	3-19-42	
D	AN520-10-14 WAS AN520-10-13 NO WT. CHG	7/6/42	BARRY
E	ON FACE 28F5408 WAS 28F6408 IN B/M ADD. 28F5408 (1) NO WT. CHG.	11-11-42	MOE



C.#70496 - C.#91876 #1 TO 90
C.#70496 - #77713 - #88476 #1 TO 52

ASSY DASH No	MODEL	NEXT ASSY	REQ.
	PBY-5	28F1002	1
	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
Ⓑ Δ YAGI TRANSMTR. ANT. JUNC. BOX				1				
28F5368				1				
AC365-1032				2				
28F5408				1				
AN520-10-14				2				
AN520-10-8				2				
AC365-1032				4				
-6								

PARTS LIST PER ASSY.

NOTE:- 1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT 88476 & 91876
2. ON CONTRACT 70496 (33 AIRPLANES) & 77713 PARTS ARE TO BE FURNISHED FOR SERVICE INSTL'N TO NAVY.

Δ MAY BE PURCHASED FROM ENGINEERING RESEARCH CO. RIVERDALE M.D.

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1' 0"
STAMP PART NUMBER WHERE SHOWN

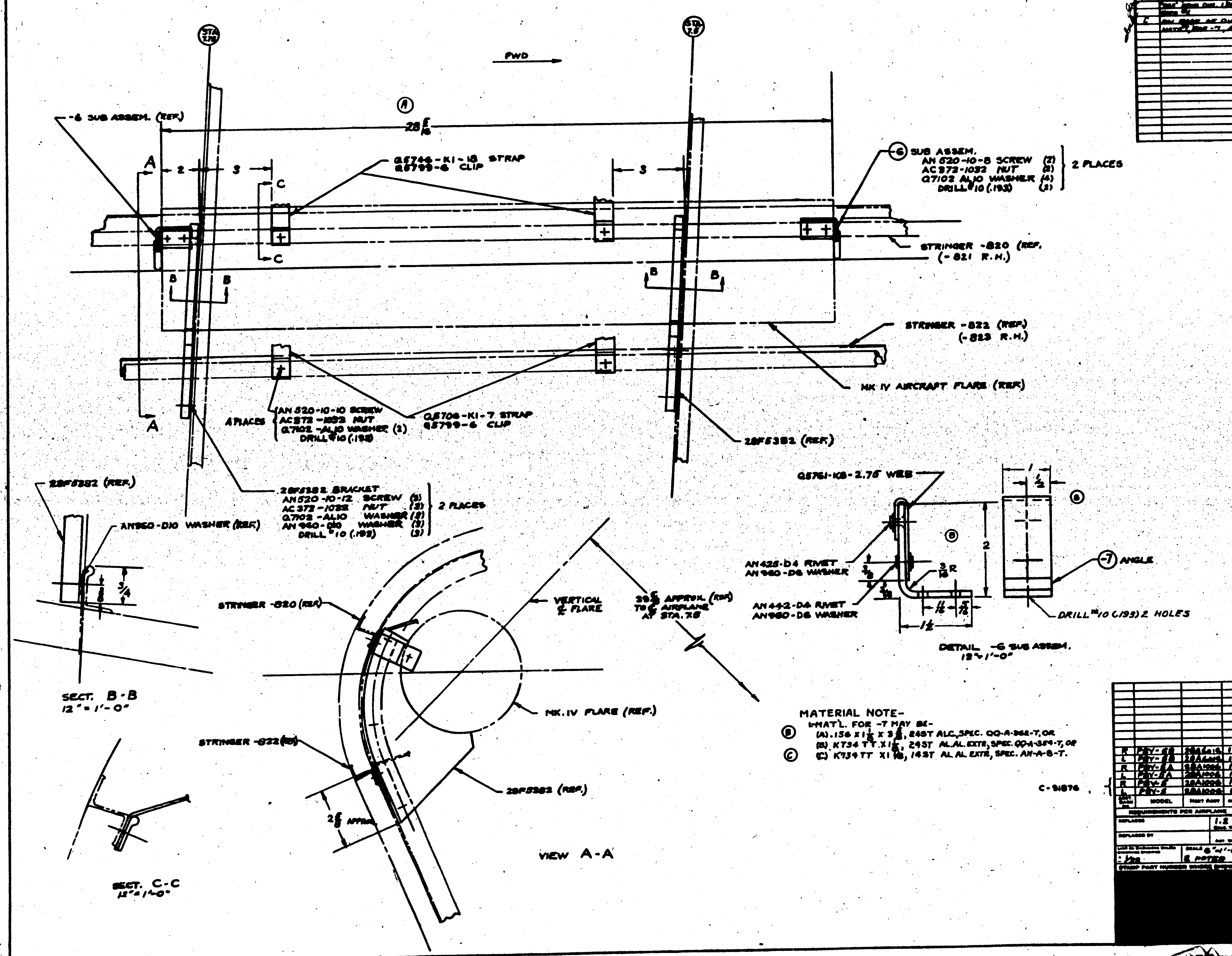
A C — NAVY — HEAT TREAT — FINISH
DRAFT 1-28-42 SELBY — CHECK — STRUCT GERBER — MAT HILLMER 3-7-42 — APPROV KLEIN 3-7-42 — ENG J.C.M. WOLD

NAME INSTL'N.-FURN.-YAGI XMTTR. ANTENNA JUNCTION BOX

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F5370

R



MATERIAL NOTE-

M'AT'L. FOR -7 MAY BE-

(A) .156 X 1 1/4 X 3 5/8, 24ST ALC, SPEC. QQ-A-362-T, OR

(B) KT34 TT X 1 1/4, 24ST AL.AL. EXTR, SPEC. QQ-A-354-T, OR

(C) K734 TT X 1 1/4, 14ST AL.AL. EXTR, SPEC. AN-A-8-T.

RUSH RELEASED 2-17-42

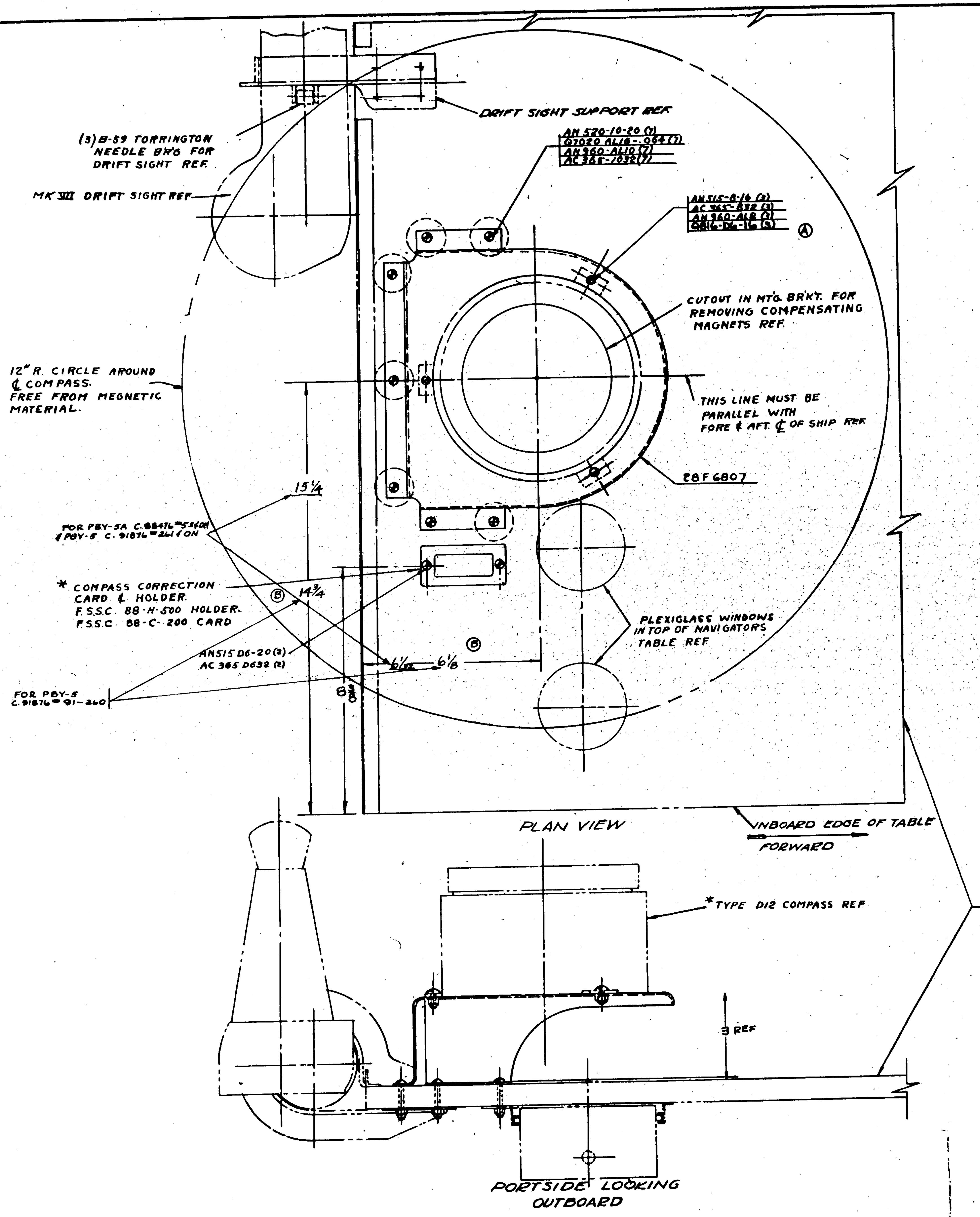
C-91876

FINISH CODE

INST. - MK IV FLARE STOWAGE REAR

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F5383



LET	ALTERATION	DATE	BY
A	AN515-8-16 WAS AN515-8-9 ADDED Q816-D6-16 (3) WT. CHG. NEG.	[illegible]	[illegible]
B	DIM. 15 1/4 & 6 1/32 ADDED FOR PBY-5A #53 ℄ ON & PBY-5 #241 ℄ ON — DIM. 14 3/4 & 6 1/8 FOR PBY-5 #91-260 (NO WT. CHG.)	12-22-[illegible]	[illegible]

* GOVERNMENT FURNISHED

CONT #88476 #53 ℄ ON
CONT #91876 #91 ℄ ON

REF. NOTE: APERIODIC TYPE #1809-3 COMPASS IN SAME LOCATION ON PBY-5B. SEE DRWG 28F7200

	PART No	STOCK	MATERIAL	SPEC	REQ. -0
*	TYPE D-12	SPEC #94-27826	NAVIGATORS COMP.		1
*	FSSC 88-H-500	CORR. CARD HOLDER			1
*	FSSC 88-C-200	CORR. CARD			1
	Q816-D6-16				3
	Q7020AL16-.064				7
	AC365D632				2
	AC365-1032				7
	AC365-832				3
	AN515D6-20				2
	AN960-AL10				7
	AN520-10-20				7
	AN515-8-16				3
	AN442D9				—
	AN960-AL8				3
	28F6807				1

PARTS LIST PER ASSY.

LH RH
REQ. -0 -2 -3 -4 -5

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
-0	PBY-5A	28F6002	1
-0	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES: COMPASS MOUNTING — CALC. WT. 7.75
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32
SCALE: 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NONE	3-18-42 BAKER	MASON	BERBER	RUSSELL	7-24-[illegible] ARMSTRONG	WINTER / VICKERS
HEAT TREAT	FINISH						

NAME: INSTALLATION - FURNS - NAVIGATOR'S COMPASS

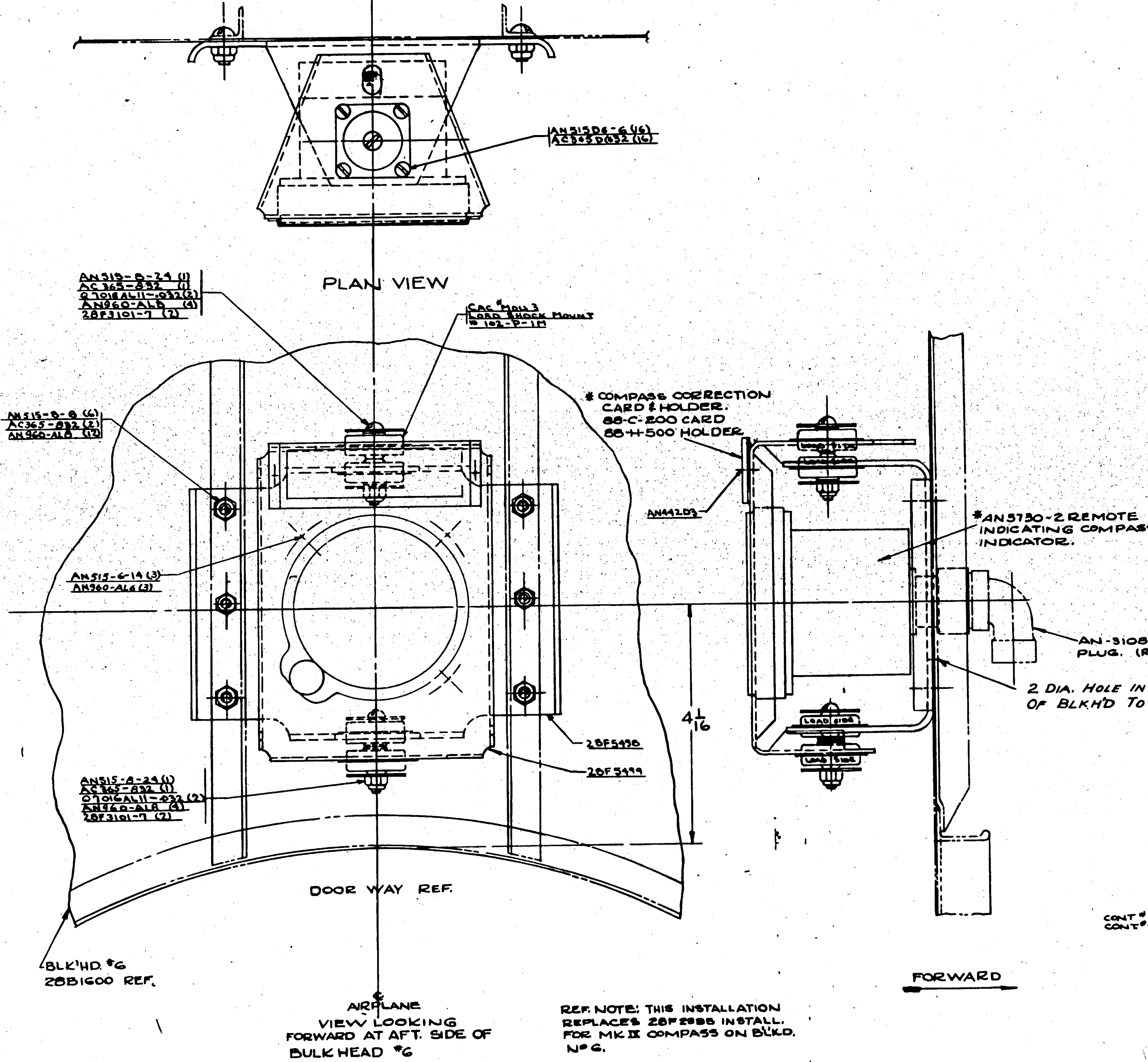
OPP. HAND: NONE

DWG. SIZE G — 28F5414

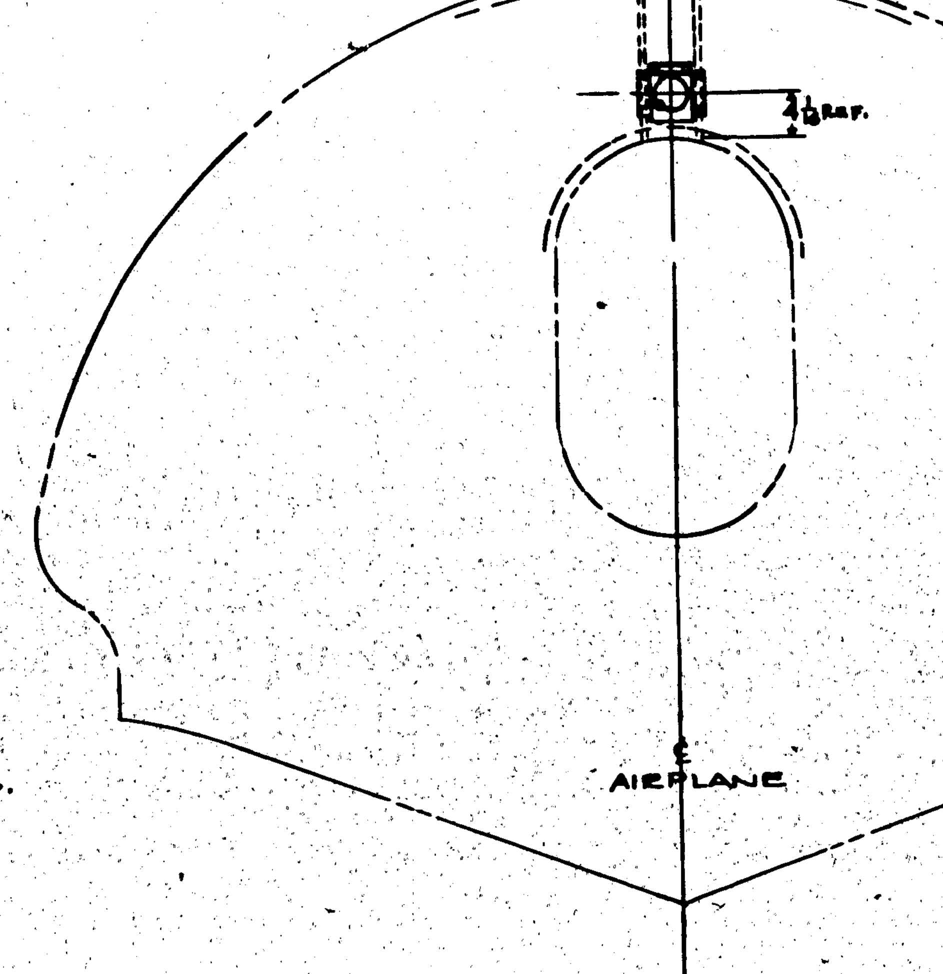
CONSOLIDATED AIRCRAFT CORP. WF San Diego, Calif.

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	REMOVED; VIEW OF SPACER & NOTE; "SPACER ON RIVET TO PROVIDE LATERAL STABILITY." W.T.CHG.NO.	9-21-42	



REF. NOTE: THIS INSTALLATION REPLACES 28F2888 INSTALL. FOR MK II COMPASS ON BLKD. N° 6.



VIEW OF AFT. SIDE OF BLKD. #6
SCALE 1"=1'-0"

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN5730-2	REMOTE IND. COMPASS			1				
88-H-500	COMPASS CORR. CARD HOLDER			1				
88-C-200	COMPASS CORR. CARD			1				
CAC # MOU 3	LORD SHOCK MOUNT # 102-P-1M			4				
Q7016-AL11-.032				4				
AC365-832				8				
AC365D632				16				
AN960-AL6				3				
AN515-6-14				3				
AN960-AL8				20				
AN515-8-24				2				
AN515-8-8				6				
AN515D6-6				16				
AN442D3				–				
28F3101-7				4				
28F5499				1				
28F5498				1				

PARTS LIST PER ASSY.

CONT # 88476
CONT # 91876

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-0	PBY-5A	28F6002	1
-0	PBY-6	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES: COMP. IND. MOUNTING — CALC WT 1.8 .525

REPLACED BY — ACT WT

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

A C — NAVY — HEAT TREAT — FINISH

DRAFT: 3-28-42 BAKER — CHECK — STRUCT — MAT — APPROV — ENG

OPP HAND NONE

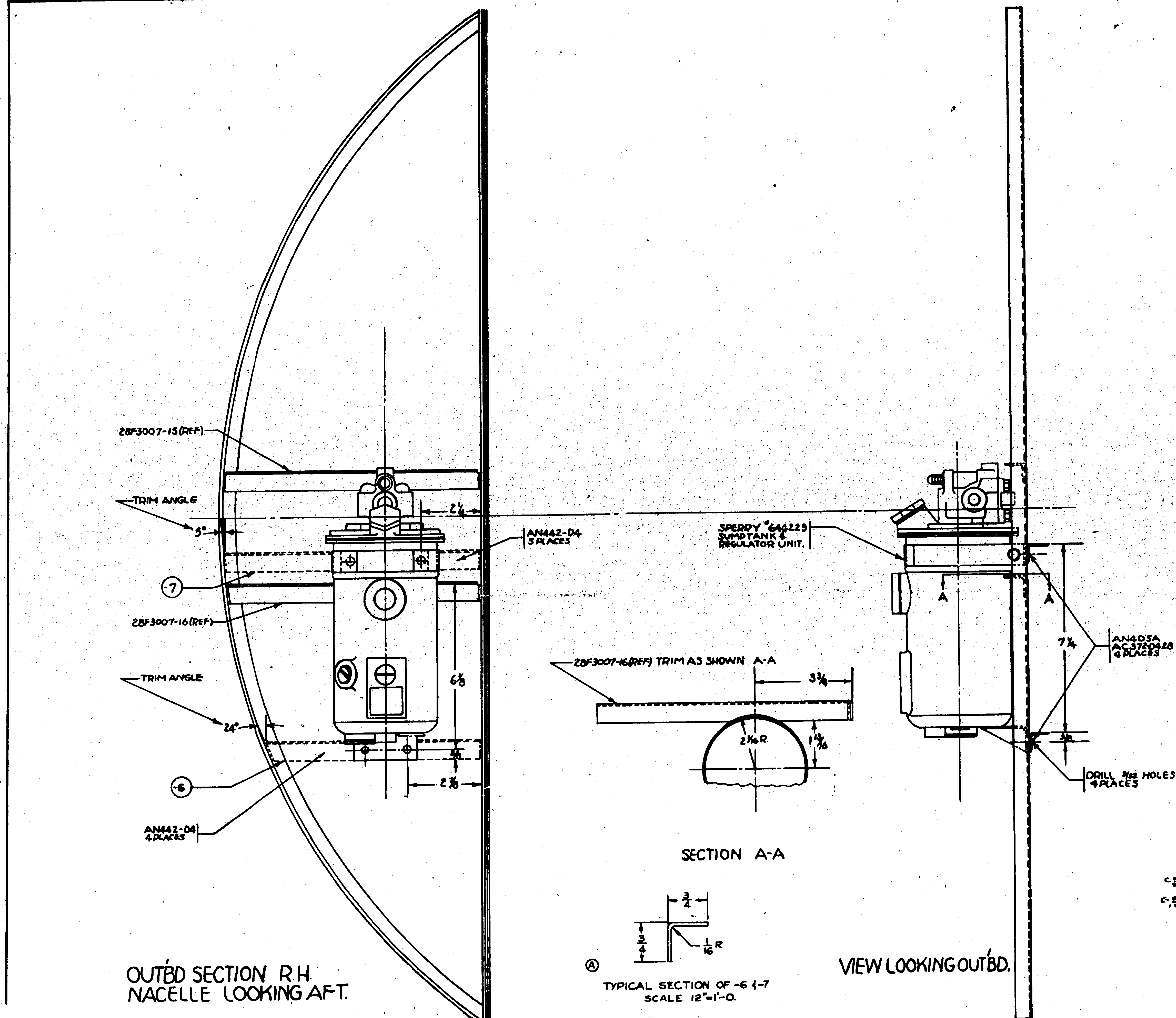
NAME INSTALL. FURN'S. REMOTE IND. COMPASS ON BLKD #6.0

SIZE G — DWG 28F5417

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NOTE: THIS REMOTE INDICATING COMPASS IND. REPLACES A MK II (WT. 2.9#) COMPASS WHICH WAS GOV. FURN'S INSTALLED. REF.

LET	ALTERATION	DATE	BY
A	IN B/M, FOR -6, REPLACED "KS401 X 7¼ 10, AL ALLOY 24ST, 46A9 COND.T" WITH ".064 X 1⅝ X 7¼, 24ST ALC. SH'T. QQ-A-362 COND.T" & FOR -7, REPLACED "KS401 X 10 10, AL ALLOY 24ST, 46A9 COND.T" WITH ".064 X 1⅝ X 10, 24ST ALC. SH'T, QQ-A-362 COND.T." ADDED TYPICAL SECTION OF -6 & -7 TO FACE. ENG'G RELEASES UP TO DATE. WT. CHG NEG.	8-20-42	[illegible]
B	IN B/M, REMOVED ".064 X 1⅝ X 7¼ 24ST ALC. SH'T, QQ-A-362 COND T" FOR -6, & ".064 X 1⅝ X 10, 24ST ALC. SH'T, QQ-A-362 COND. T" FOR -7, & REPLACED BY "NOTED." ADDED NOTES #1 & #2. NO WT. CHG.	10-22-42	LARSEN



NOTES:

(B) 1.- MATERIAL FOR -6 MAY BE:
(A) .064 X 1⅝ X 7¼, 24ST ALC., SPEC QQ-A-362-T, OR
(B) KS401 X 7¼, AL.AL. EXTR., SPEC QQ-A-354-T.

2.- MATERIAL FOR -7 MAY BE:
(A) .064 X 1⅝ X 10, 24ST ALC., SPEC. QQ-A-362-T, OR
(B) KS401 X 10, AL.AL. EXTR., SPEC QQ-A-354-T.

PART No	STOCK	MATERIAL	SPEC	REQ -9	REQ -2	REQ -3	REQ -4	REQ -5
★ GOV'T FURNISHED EQUIPMENT								
★ SPERRY #644229				1				
AN442-D4	RIVET							
AN4D5A	BOLT			4				
AC372-D428	NUT			4				
-7	NOTED	NOTED	NOTED	1				
-6	NOTED	NOTED	NOTED	1				

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	NO.
-0	PBY-5	28F6713	1
-0	PBY-5B	28F5513	1
-0	PBY-5	28F5513	1

C-91876 91 & ON
C-91876 1 TO 90

REQUIREMENTS PER AIRPLANE

REPLACES — .327 CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

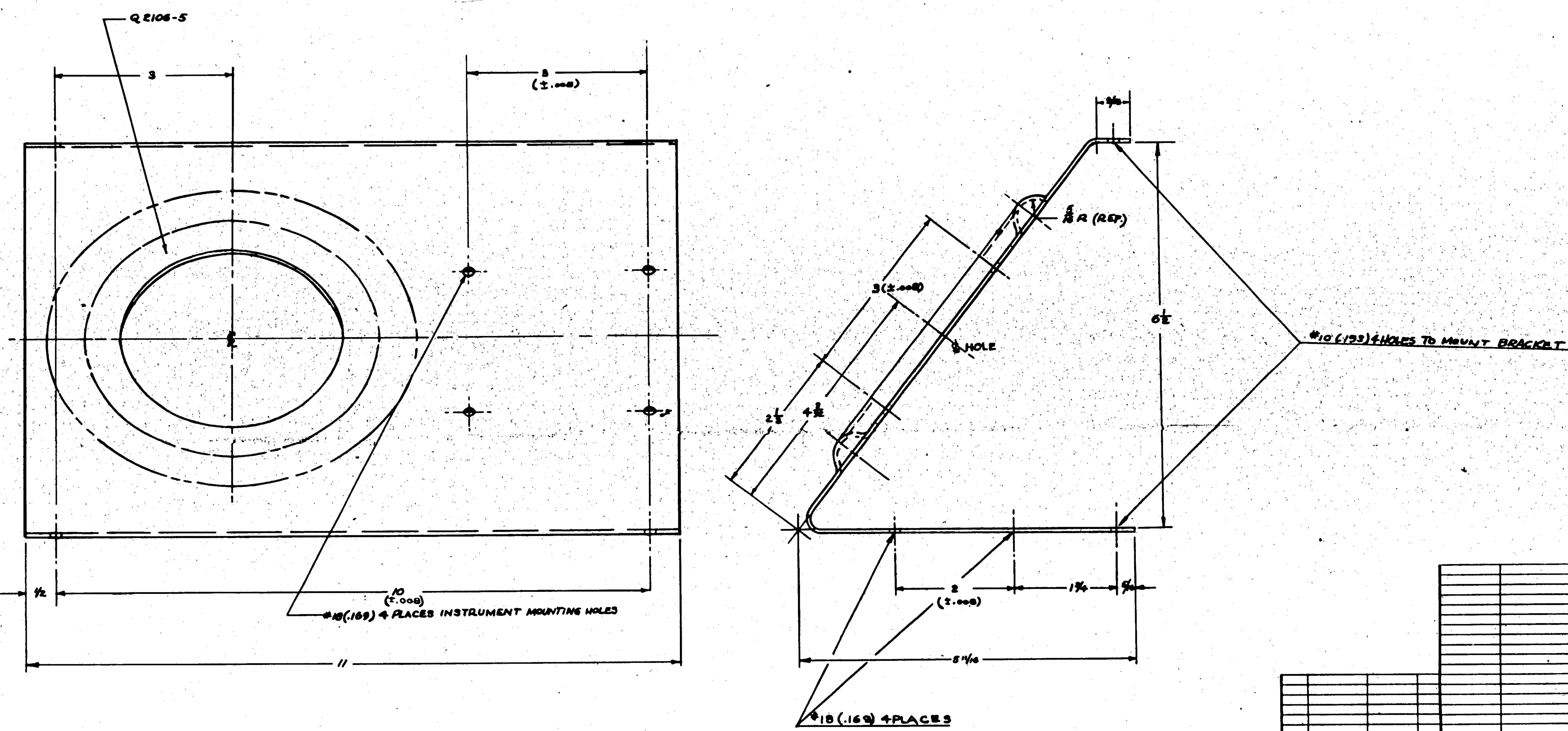
A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT REED 4-3-42 | CHECK CASSIE 4-3-42 | STRUCT [illegible] | MAT MEG | APPVD PACEL | ENG [illegible] ZUCK

NAME INSTALL'N SUMPTANK & REGULATOR UNIT- SPERRY SYS.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND
DWG SIZE G — 28F5422

R 28F5422



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP - GREEN PRIME

MODEL	NEXT ASSY.	REQ.
PBY-5A	28F5425	1
PBY-5	28F5425	1

REQUIREMENTS PER AIRPLANE

REPLACES: .90

SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-0	.051 x 1 3/8 x 15 7/8	24ST ALC	

PARTS LIST PER ASSY.

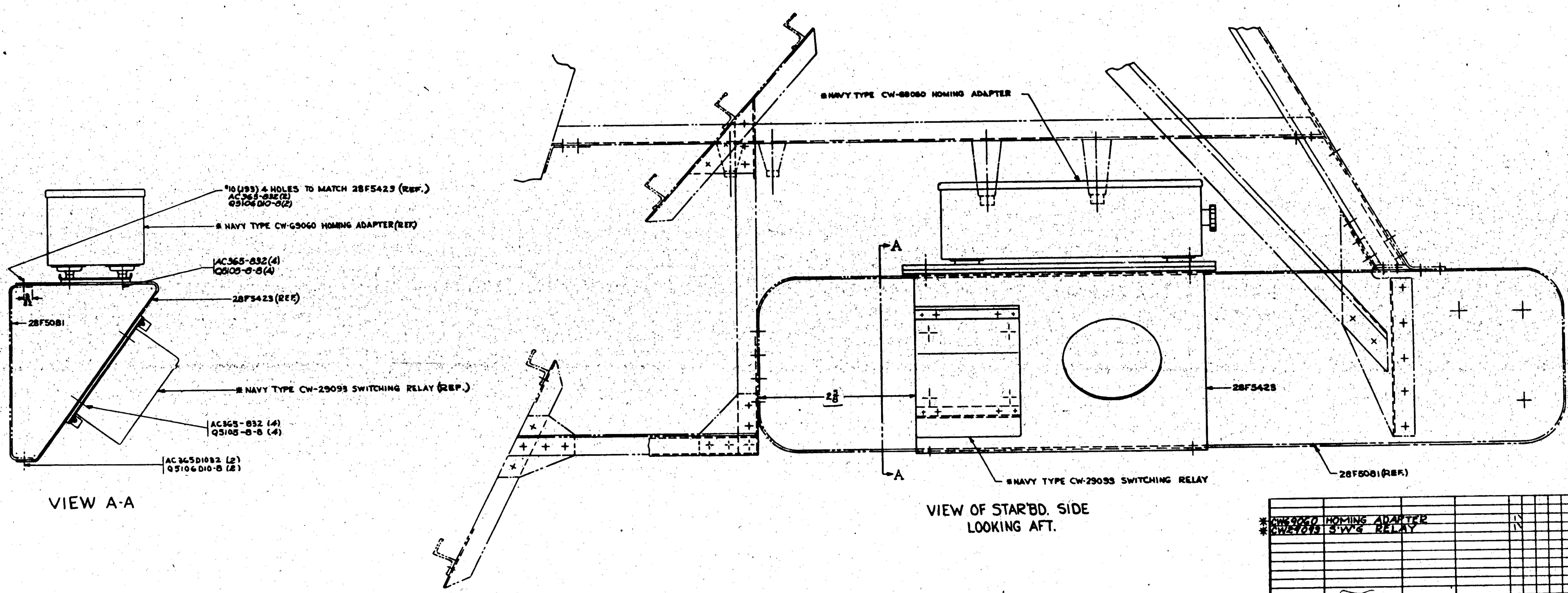
FINISH: BP-GP

NAME BR'KT.-FURNS.-Z5-SWG. RELAY & HOM'G ADT'R. MT'G.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F5423

R



#-DENOTES G.F.E.

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
	PBY-5A	28F6082	1
	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 5.64 CALC. WT.

REPLACED BY — ACT. WT.

SCALE 6" = 1'-0" — ±1/32

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0
# CW65060	HOMING ADAPTER			1
# CW29093	S'W'G RELAY			1
Q5106D10-8				4
Q5105-8-8				8
AC365D1032				4
AC365-832				8
28F5423				1

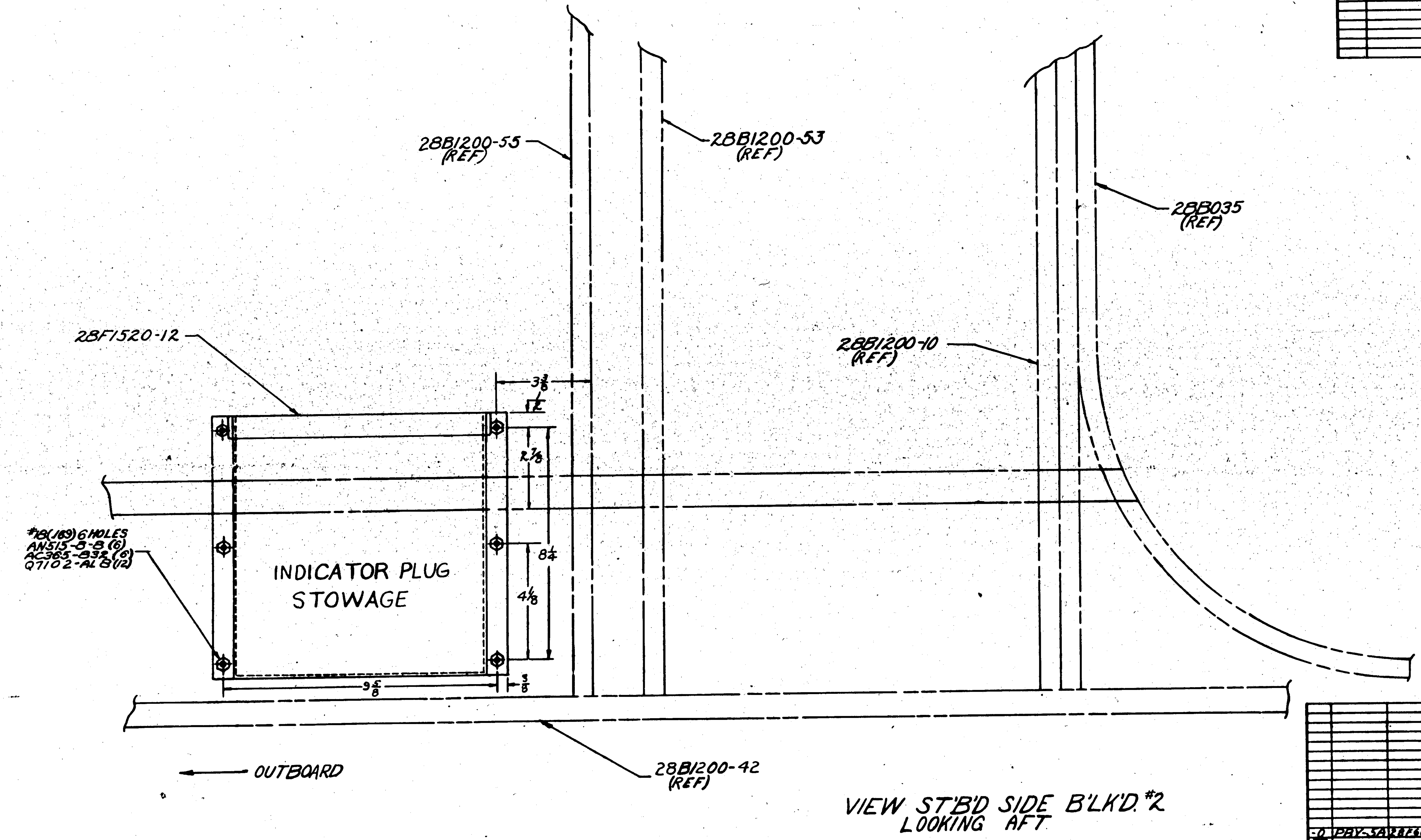
PARTS LIST PER ASSY.

A C		G.F. Swm	DRAWN	GERBER	JCH
NAVY NONE	NONE	4-3-42	CHECK VEW	COPENHAGEN	WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME INSTALL - FURNS.-Z.B ADAPTER & RELAY

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SIZE G — DWG. 28F5425



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

DASH No.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5A	28F6602	1

REQUIREMENTS PER AIRPLANE

REPLACES — WT. .36 LB.

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE: 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN515-8-8				6				
AC365-832				6				
Q7102-AL8				12				
28F1520-12 POCKET				1				

PARTS LIST PER ASSY.

AC — NAVY — HEAT TREAT — FINISH

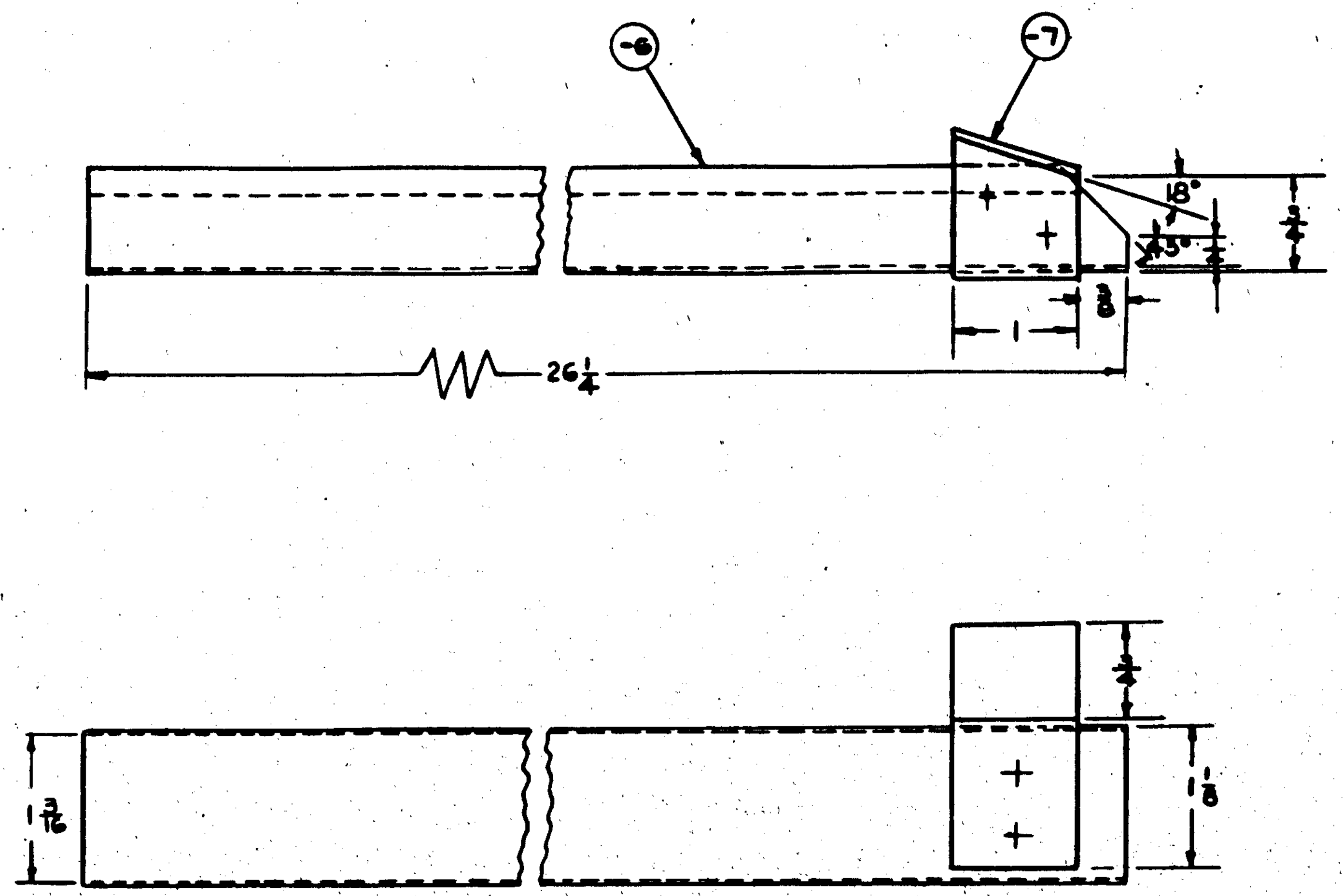
DRAFT 9-19-41 — CHECK — STRUCT — MAT. — APPROV. — ENG.

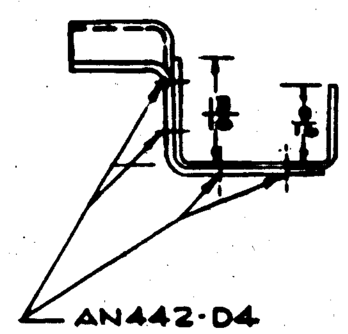
NAME: INSTALL - FURNS - A.S.V. INDICATOR PLUG STOWAGE

DWG. SIZE G — 28F5436

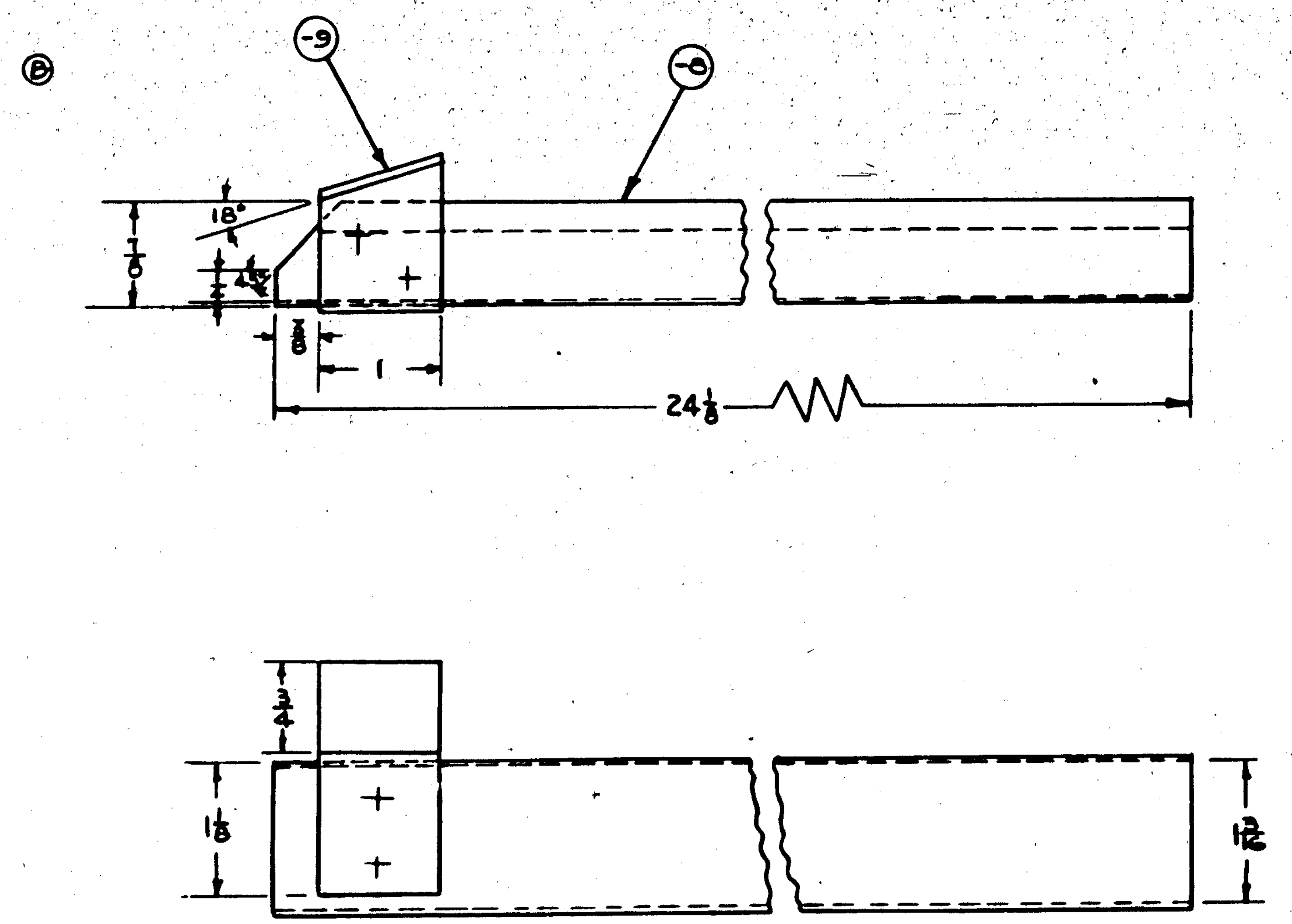
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

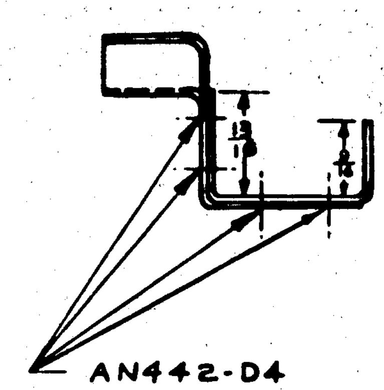
R





VIEW FOR -0 ASSEMBLY





VIEW FOR -2 ASSEMBLY

LET	ALTERATION	DATE	BY
A	TRACED	9-2[illegible]	[illegible]
B	-0 ASSY. WAS -0R, -2 ASSY WAS -0L, -6 WAS -6R, -7 WAS -7R, -8(.025 x2 1/8x24 1/8 ALCLAD) WAS -6L, -9(.050x1 1/8x3 5/8 ALCLAD) WAS -7L ADDED VIEW FOR -2 ASSY WTCHG	9-2[illegible]	[illegible]

C.#88476 #534 ON
C.#91876

ASSY. DASH NO.	MODEL	NEXT ASSY	REQ.
-2	PBY-5A	28F5455	1
-0	PBY-5A	28F5455	1
-2	PBY-5	28F5456	1
-0	PBY-5	28F5456	1

REQUIREMENTS FOR AIRPLANE

REPLACES 28F5451 DS 4-21-42 — .19 CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ± 1/32 — SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.
	AN442-D4				
-9	.050x1 1/8x3 5/8	ALCLAD	QQ-A-362		1
-8	.025x2 1/8x24 1/8	ALCLAD	QQ-A-362		1
-7	.050x1 1/8x3 5/8	ALCLAD	QQ-A-362	1	
-6	.025x2 1/8x26 1/4	ALCLAD	QQ-A-362	1	

PARTS LIST PER ASSY.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

A.C. — NAVY NONE — HEAT TREAT
ZP-GP — FINISH

DRAFT: TRUMBULL 9-1-42 — CHECK — STRUCT — MAT: CUSTER — APPROV: 9-1-42 — ENG

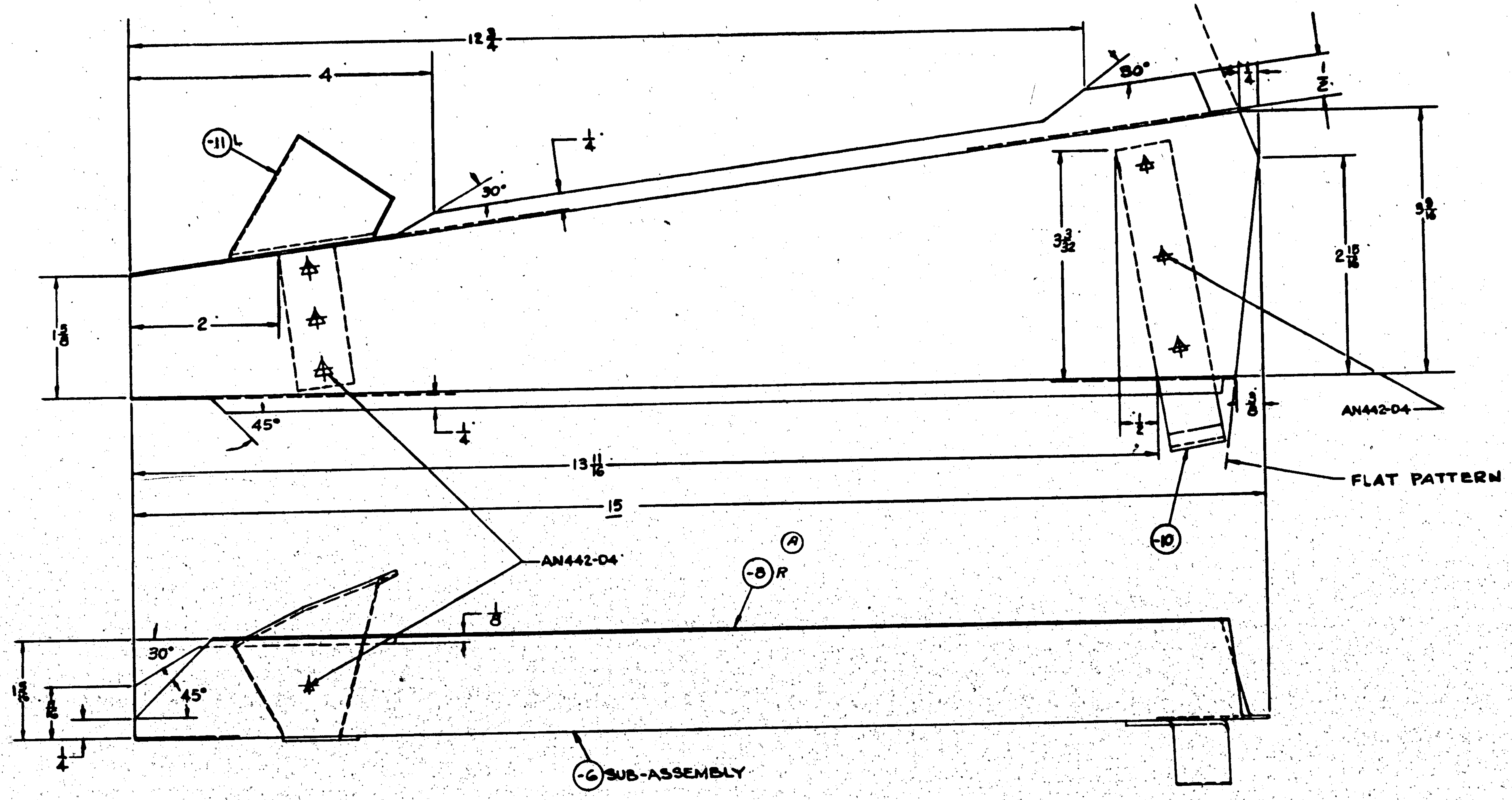
NAME GUARD ASSY.-ARMAMENT-BOMB RELEASE COMPARTMENT-UPPER

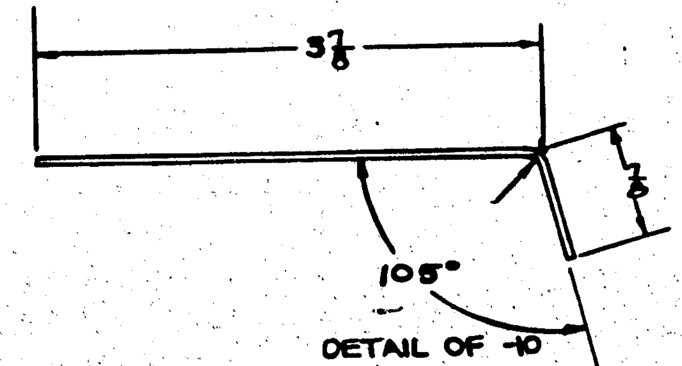
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

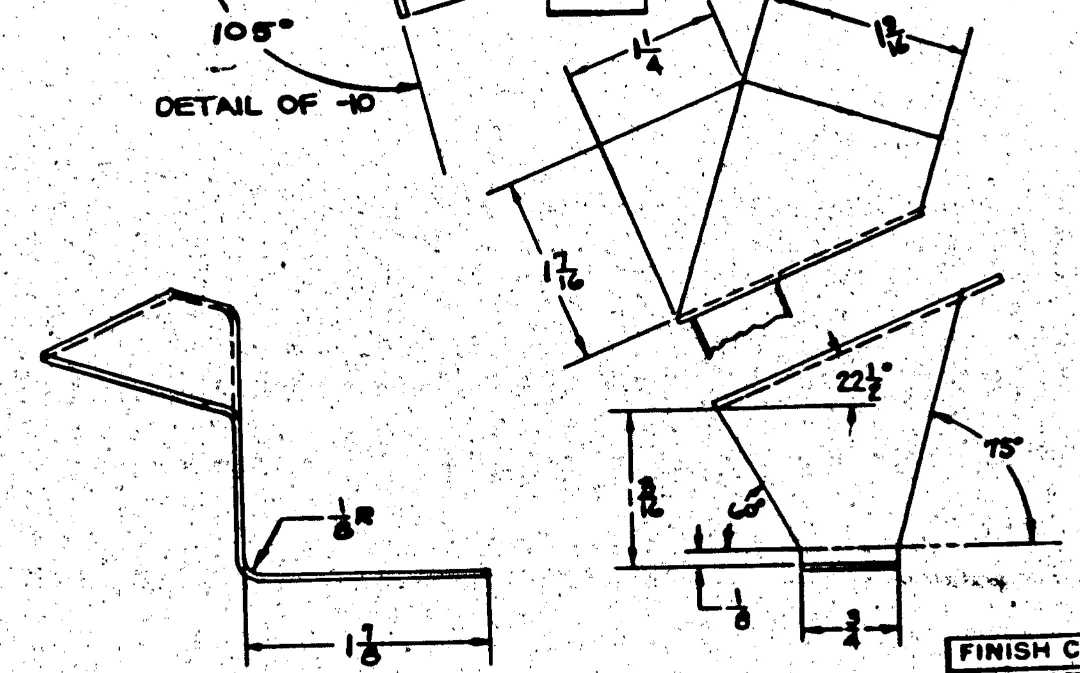
DWG. SIZE G — 28F5451

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	CREATED -14 SUB-ASSY. -8L & -8R WERE -8 LIMITED -7 SUB-ASSY. FOR SHIPS #1-90 C. #91876. WT. CHANGE	11-4-40	MOS



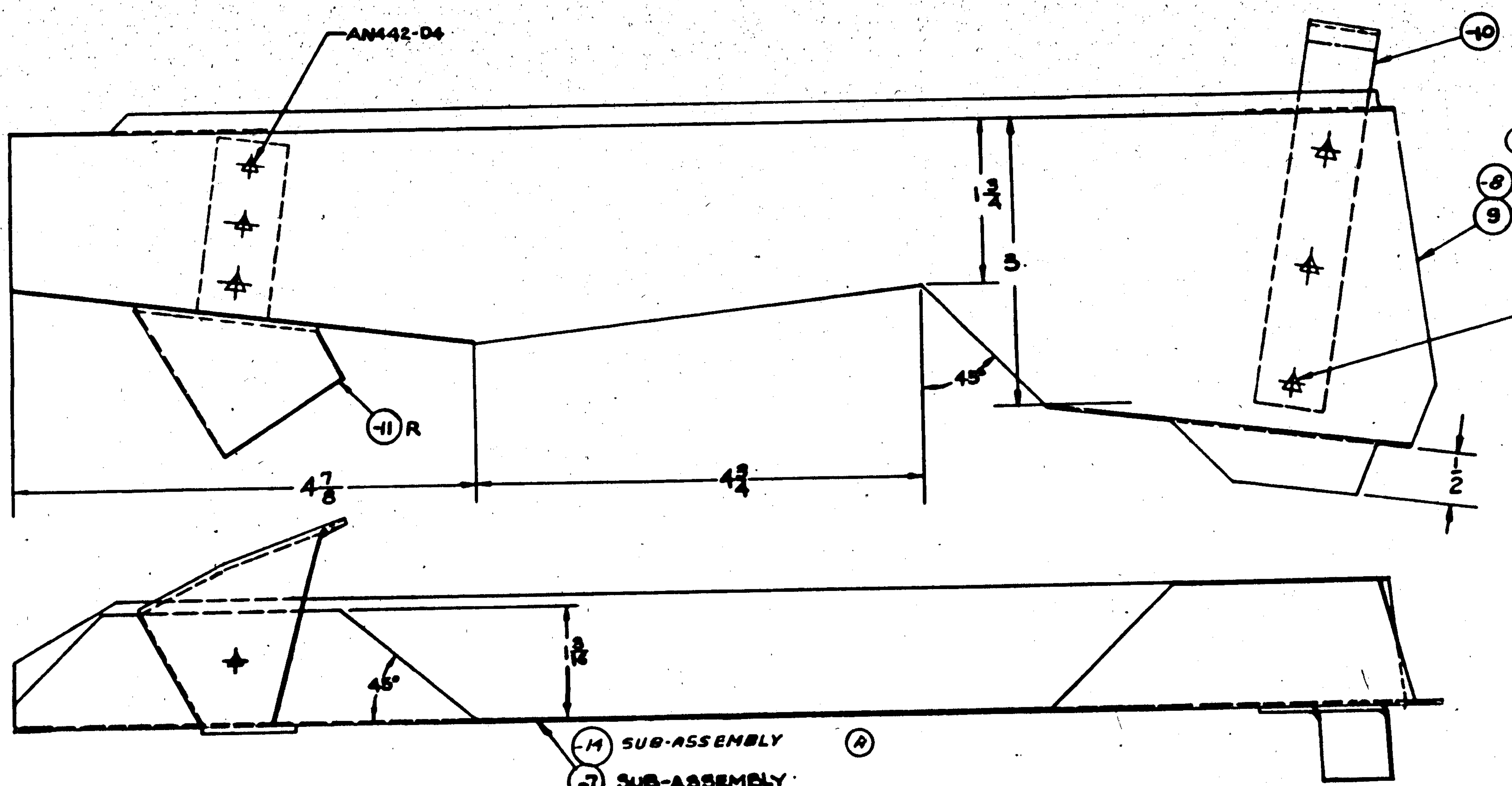




DETAIL OF -11L
-11R OPPOSITE

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP-GREEN PRIME



(A)
-8L FOR -14 SUB-ASSY.
9 SAME AS -8L EXCEPT AS SHOWN } FOR -7 SUB-ASSY.

LOCATE -10 & -11R SAME AS ON -6 SUB-ASSEMBLY

ASSY DASH No.	MODEL	NEXT ASSY	REQ
-14	PBY-5	28F5455	1
-7	PBY-5A	28F5455	1
-6	PBY-5A	28F5455	1
-7	PBY-5	28F5455	1
-6	PBY-5	28F5455	1

(C.N. #32-A) C. 91876 #91 & ON
CONT. #88476 #538 ON
C. #91876 #1-90
C. #91876 ALL
MN

REQUIREMENTS PER AIRPLANE

REPLACES — 30# CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/64 & ± 1/2°
SCALE: 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN442-D4								
-11R				1				
-10				1				
-8L				1				
-14	SUB ASSY.							
AN442-D4								
-11R	.051 x 2 5/8 x 5 1/8	ALCLAD	47AB-T	1				
-10	.081 x 7/8 x 5	ALCLAD	47AB-T	1				
-9	.025 x 7 x 15 3/4	ALCLAD	47AB-T	1				
-7	SUB-ASSEMBLY							
AN442-D4								
-11L	.051 x 2 5/8 x 5 1/8	ALCLAD	47AB-T	1				
-10	.081 x 7/8 x 5	ALCLAD	47AB-T	1				
-8R	.025 x 7 x 15 3/4	ALCLAD	47AB-T	1				
-6	SUB-ASSEMBLY							
-14	SUB-ASSEMBLY							
-7	SUB-ASSEMBLY							
-6	SUB-ASSEMBLY							

PARTS LIST PER ASSY.

A C			
NAVY	None	ZP-GP	
	HEAT TREAT	FINISH	

DRAFT — CHECK — STRUCT — MAT — APPROV — ENG

OPP HAND

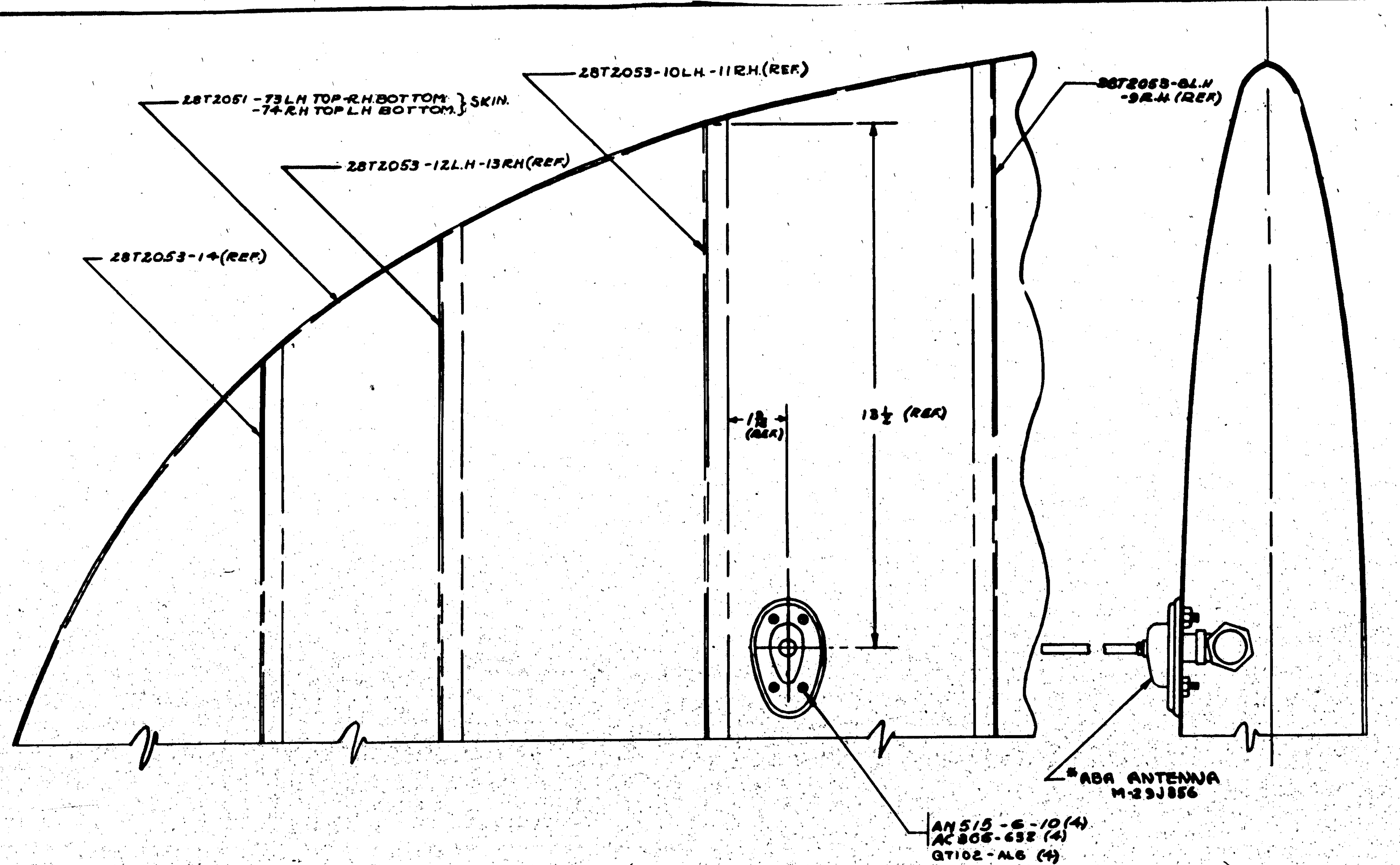
NAME GUARD-BOMBER'S COMPT. -ARMAMENT

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

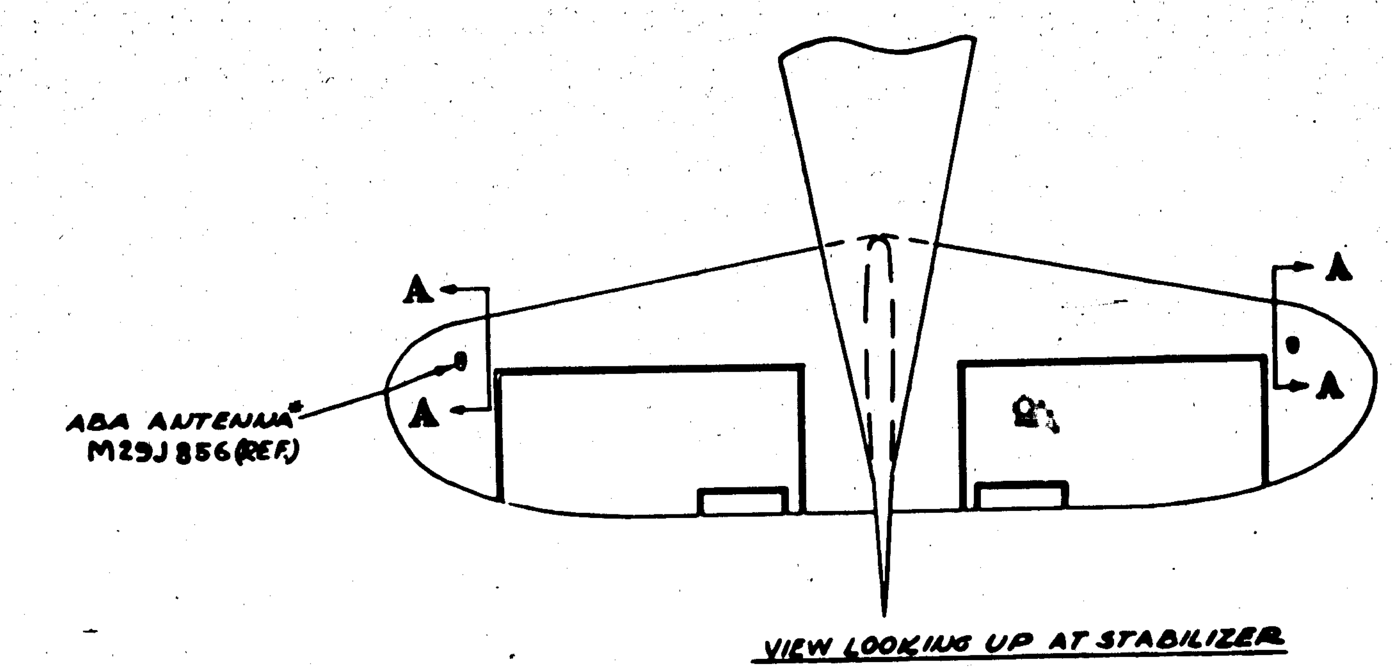
DWG. SIZE G — 28F5454

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	ADDED "& GOV'T INSTALLED EQUIP" TO NOTE "* DENOTES ---- EQUIP" NO WT. CHG.	[illegible]	[illegible]



SECTION "A-A"
SCALE 6" = 1'0"



VIEW LOOKING UP AT STABILIZER

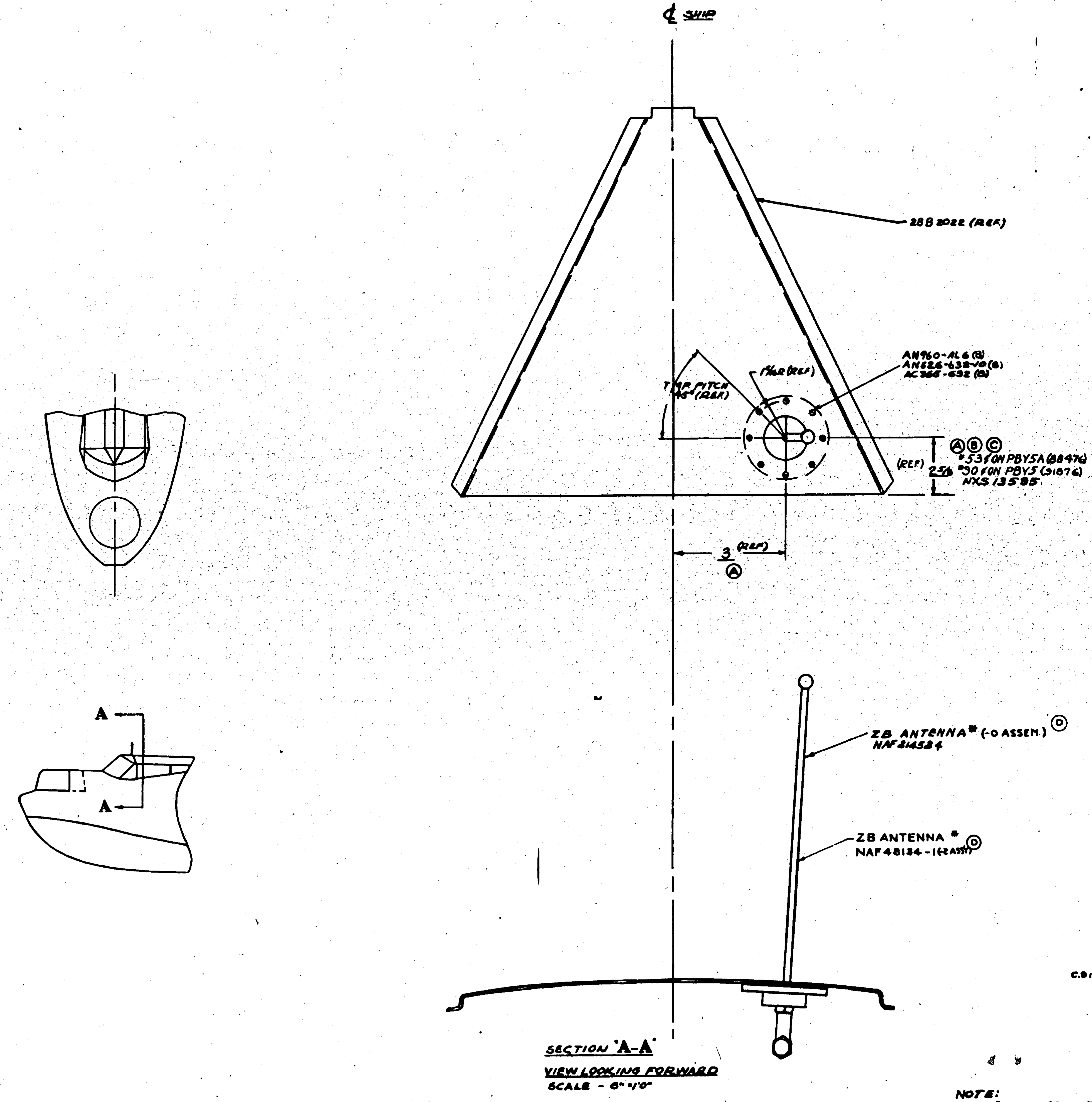
NOTE:
* DENOTES GOV'T. FURNISHED EQUIP. &
⊛ GOV'T. INSTALLED EQUIP

				PART No	STOCK	MATERIAL	SPEC	REQ -0 LH	REQ -0 RH
				* ABA ANTENNA	M29J856			1	1
C. 88476 (53 & on) -0R	PBY-5A	28F6002	1						
-0L	PBY-5A	28F6002	1						
C. 91876 (31 & on) -0R	PBY-5	28F1002	1						
-0L	PBY-5	28F1002	1	AN515-6-10				4	4
				AC365-632				4	4
				GT102-AL6				4	4
DASH No	MODEL	NEXT ASSY	REQ						

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY. (REQ -0, -2, -3, -4, -5)

REPLACES — 1.40
REPLACED BY
SCALE: NOTED
1/32
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT — CHECK — STRUCT — M&P — APPROV — ENG
OPP. HAND 28F5470-[illegible]
NAME INSTAL - FURNS. - ABA ANTENNA STABILIZER.
G 28F5470
CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.



	LET	ALTERATION	DATE	BY
E.O. A59770A	A	DIM 3 WAS 4⅞ DIM 2⅝ WAS 2. NO WT. CHG.		
E.O. A88062	B	DIM 2⅝ WAS 3½ NO WT. CHG.		
	C	ADDED NXS13595 NO WT. CHG.		
E.O. 82783 MCR 222	D	CREATED -2 ASSEM. NO WT. CHG		
	E	IN REQ. PER AIRPLANE BLOCK FOR -0 ASSY. LIMITATION ON PBY-5A MCR 144 WAS [illegible] TO MCR 144. ADDED -2 ASSY. FOR PBY-5 N/A 28F1002 (1) REQ. & LIMITED TO MCR 238-C. FOR -0 ASSY PBY-5 LIMITATION (C.91876" 80 TO MCR 238-C [illegible] MCR 144) NO WT. CHG.		

NOTE:
* DENOTES GOVT. FURNISHED EQUIP.

		PART NO				REQ -0	REQ -2
	*	ZB ANTENNA NAF 214524				1	
	*	ZB ANTENNA NAF 48134-1					1
		AN526-632-10				8	8
		AC365-632				8	8
		AN960-AL6				8	8

	USED ON DASH NO.	MODEL	NEXT ASSY.	NO.
MCR 238-C	-2	PBY-5	28F1002	1
MCR 222	-2	PBY-5A	28F6002	1
MCR 144	-0	PBY-5A	28F6002	1
C.91876" 80 TO MCR 238-C	-0	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — .70 CALC. WT.
REPLACED BY — ACT. WT.
SCALE: NOTED
STAMP PART NUMBER WHERE SHOWN

PART NO | STOCK | MATERIAL | SPEC. | REQ -0 | REQ -2 | REQ -3 | REQ -4 | REQ -5
PARTS LIST PER ASSY.

A C	
NAVY NONE	NONE
HEAT TREAT	FINISH

NAME: INSTAL.-FURNS.-ZB ANTENNA-HULL

OPP. HAND: NONE

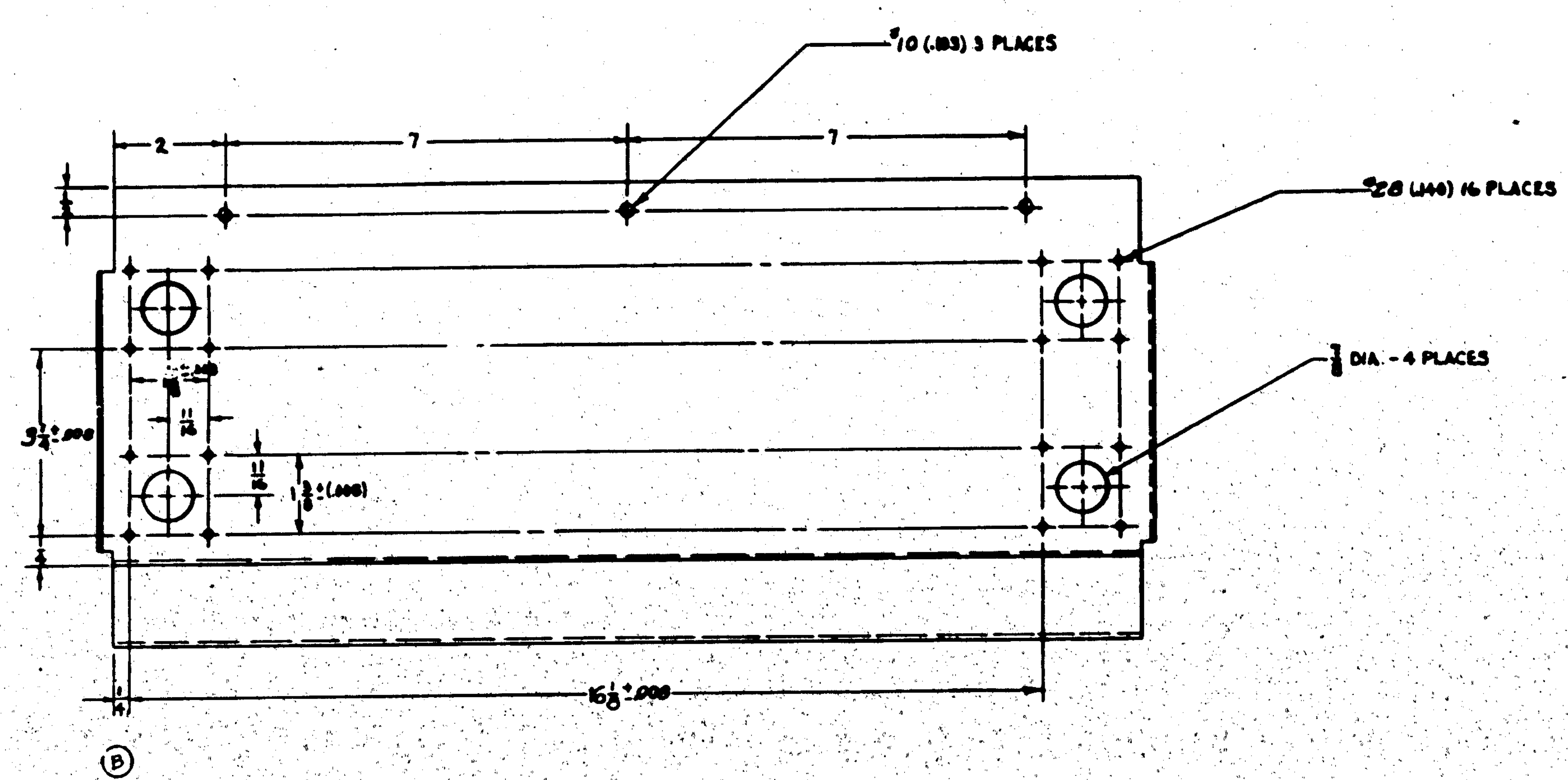
G 28F5471

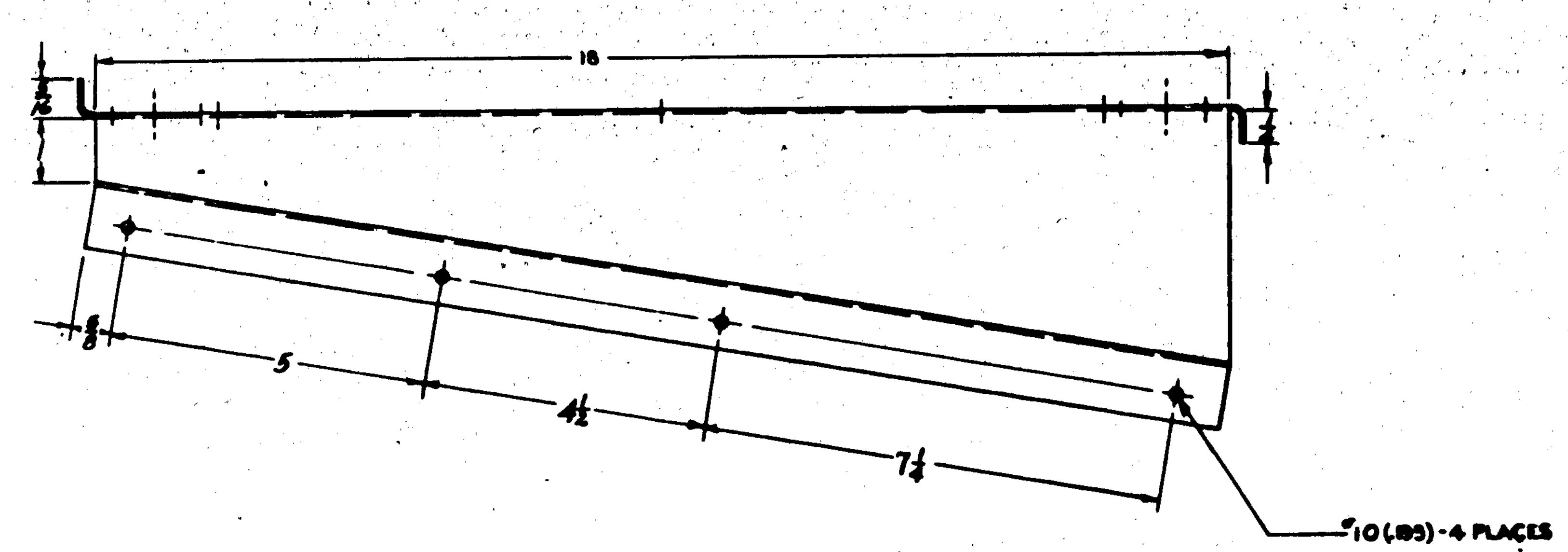
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

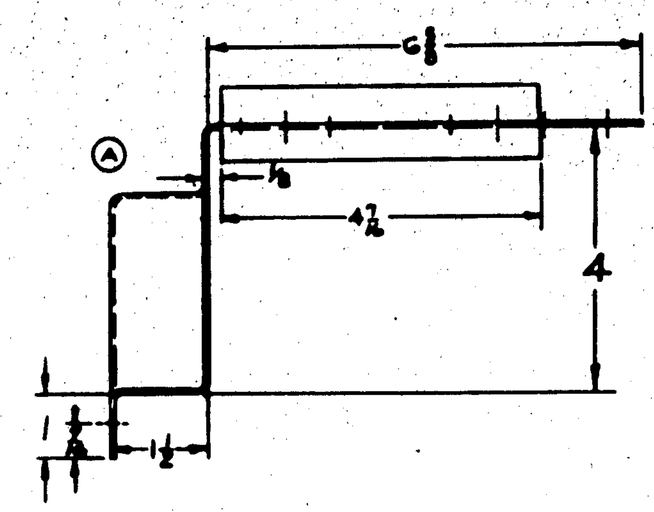
R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED 1/2 DIA. NO WT. CHG.	7-1-42	[illegible]				
B	DIM. 1/4 WAS 5/16. NO WT. CHG.	[illegible]	[illegible]				

E.O. A47264
E.A.A 5206







NOTE:— PARTS TO BE FURN'D BY C.A.C. FOR SERVICE ACTION ON DELIVERED AIRPLANES.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

C. 88476 #53 (ON-

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	28-5AMN	28F5433	1
	PBY-5A	28F5833	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT 1.10

REPLACED BY — ACT WT

LIMITS ON DECIMAL DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & NOTED — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC
	.051 x 19 3/4 x 19	24 ST ALC.	47AB COND. T

PARTS LIST PER ASSY. — REQ -0, REQ -2, REQ -3, REQ -4, REQ -5 (LH / RH)

A C —
NAVY — HEAT TREAT
FINISH: Z-P-AP
DRAFT: C. Smith 4-28-42; CHECK; STRUCT; MAT; APPROV; ENG

NAME SUPPORT - FURNS - RADAR DUPLEXING UNIT

OPP HAND

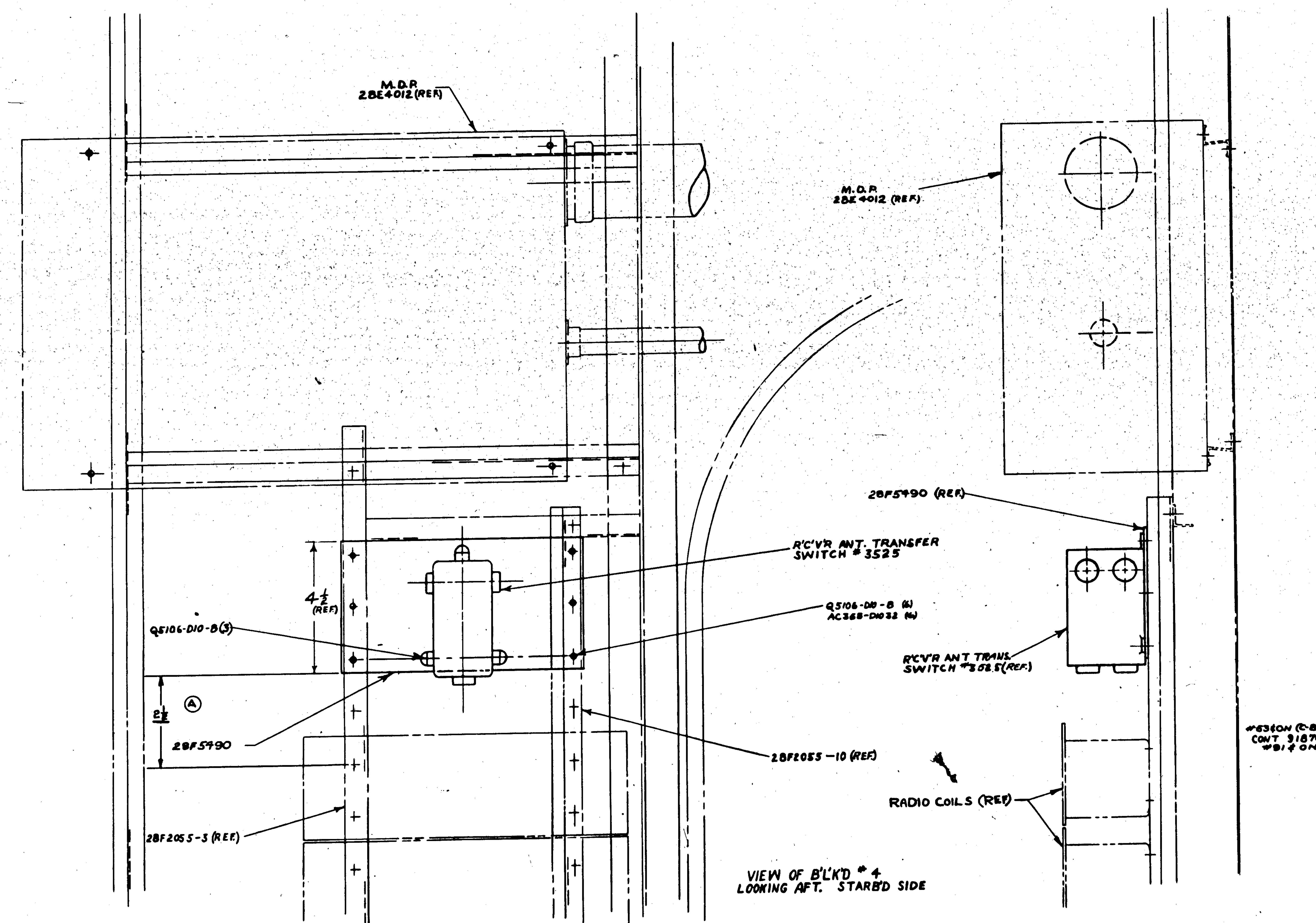
DWG. SIZE G — 28F5472

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CAL'F

R 6/15/42

LET	ALTERATION	DATE	BY
A	REMOVED DIM 1 15/32 & ADDED DIM 2 1/2. WT CHG NEG.	[illegible]	[illegible]

NOTE—
PARTS TO BE FURNISHED BY C.A.C.
FOR SERVICE INSTALLATION ON CONTRACTS
77713, 70496 & 80476 SHIPS (1 TO 62)
& CONT. 91876 SHIPS (1 TO 90)



NOTE:— PARTS TO BE FURNISHED BY C.A.C. FOR SERVICE ACTION CONT. 77713, 70496, PBY-5 - 884 & 91876 (1-90)

NOTE
MAY BE PURCHASED FROM WASHINGTON INSTITUTE OF TECHNOLOGY

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
RCVR ANT. TRANSFER SWITCH # 3525				1				
Q5106-D10-8				3				
AC365-D1032				6				
28F5490				1				

PARTS LIST PER ASSY.

#5360 ON (C-80476)
CONT 91876 #1 & ON

ASSY. DASH No.	MODEL	NEXT ASSY.	No.
-0	28-5AMN	28F6005	1
-0	PBY-5A	28F6002	1
-0	PBY-5	28F1092	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 2.17
REPLACED BY — ACT. WT.
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C —
NAVY —
HEAT TREAT — FINISH —
DRAFT 6-15-[illegible] S.M.S. — CHECK U.E.W. — STRUCT — WAT — APPROV — ENG.
OPP. HAND —

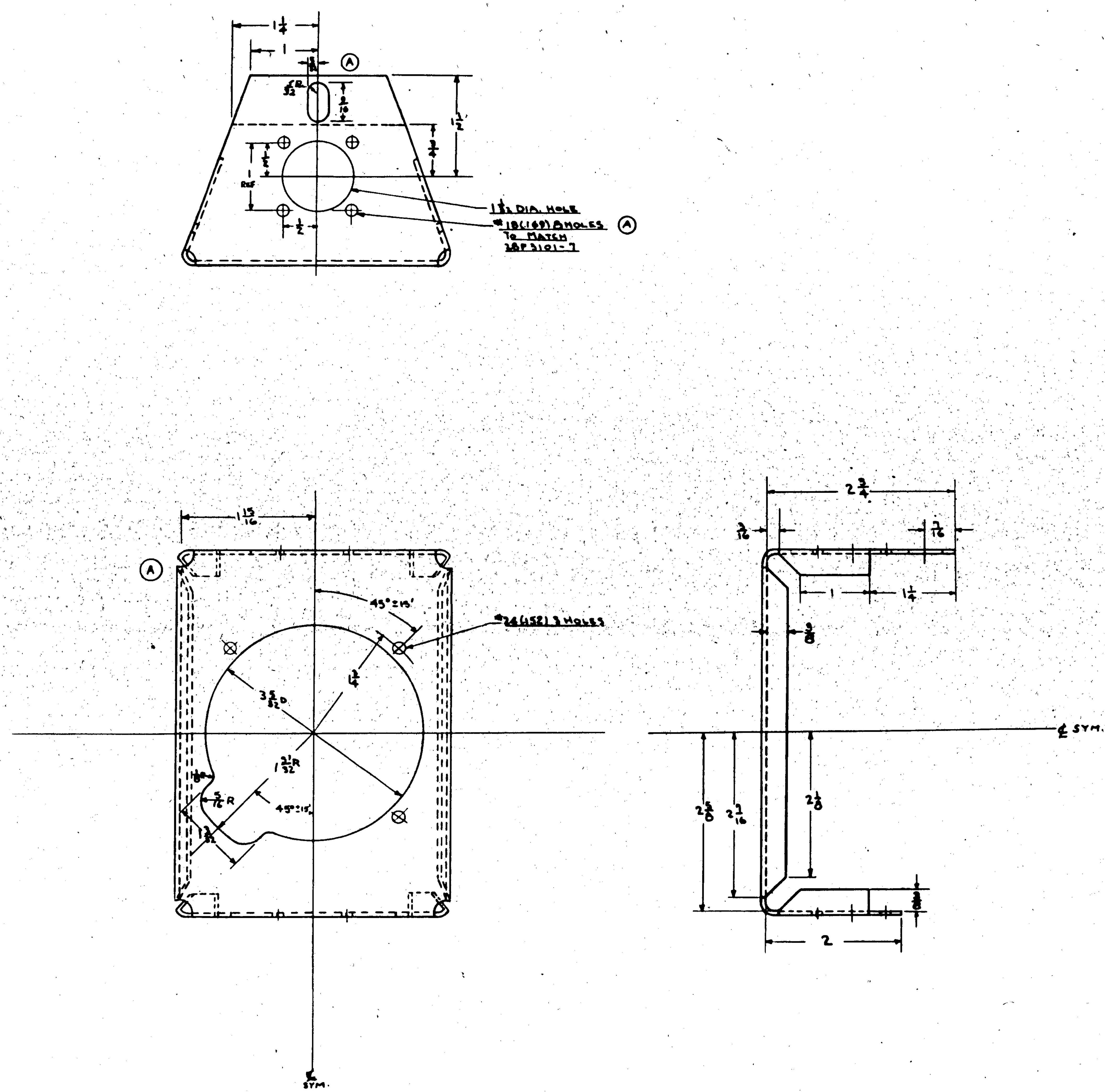
NAME INSTALL.—FURN.—COLINEAR CHANGE OVER SWITCH & SUPPORT

DWG. SIZE G — 28F5489

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	#18(.169) 8 HOLES WERE #28(.140). DIM. 5/16 WAS 1/2. REVISED FLANGES ON FRONT & TOP TO AGREE WITH DIMS. ON SIDE VIEW. W.E. CHG. NES.	8-7-42	



ALL BEND RADII 1/8 UNLESS OTHERWISE SPECIFIED

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP-GREEN PRIME

CONT #88476
CONT #31876

ASSY DASH NO	MODEL	NEXT ASSY	NO.
	PBY-5A	28F5417	1
	PBY-5	28F5417	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT .26
REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & NOTED — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.064X4 1/2X10 1/4	ALCLAD	17ABT

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

A C		7-1-42	OTTEM	GERBER	RUSSELL	7-24-42	ZUCK
NAVY —	Z-P-GP.		7-17-42 PERIVOLARIS			ARMSTRONG	WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT		ENG

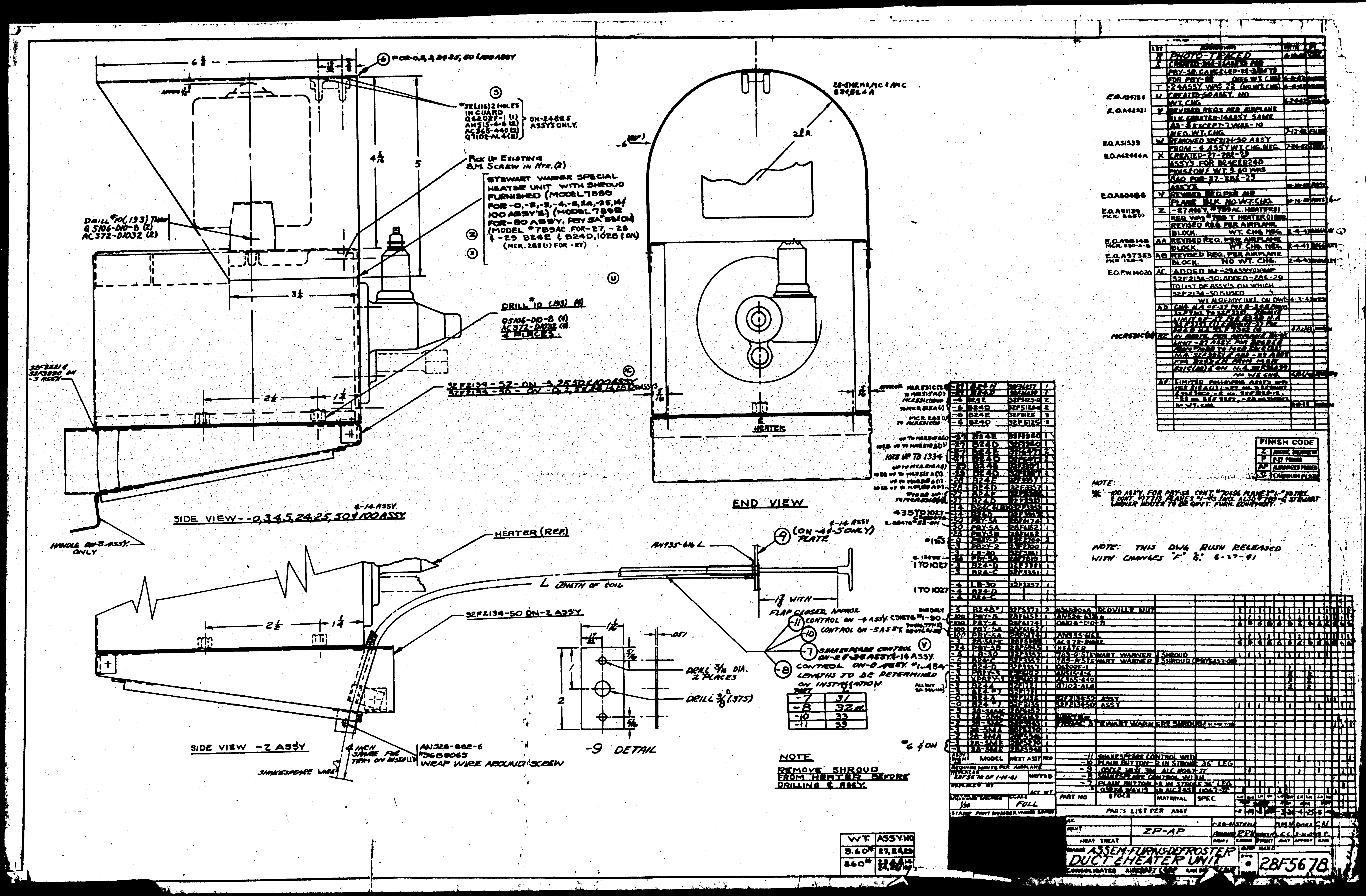
NAME MTG BRACKET - FURN'S. REMOTE IND. COMPASS.

OPP. HAND NONE

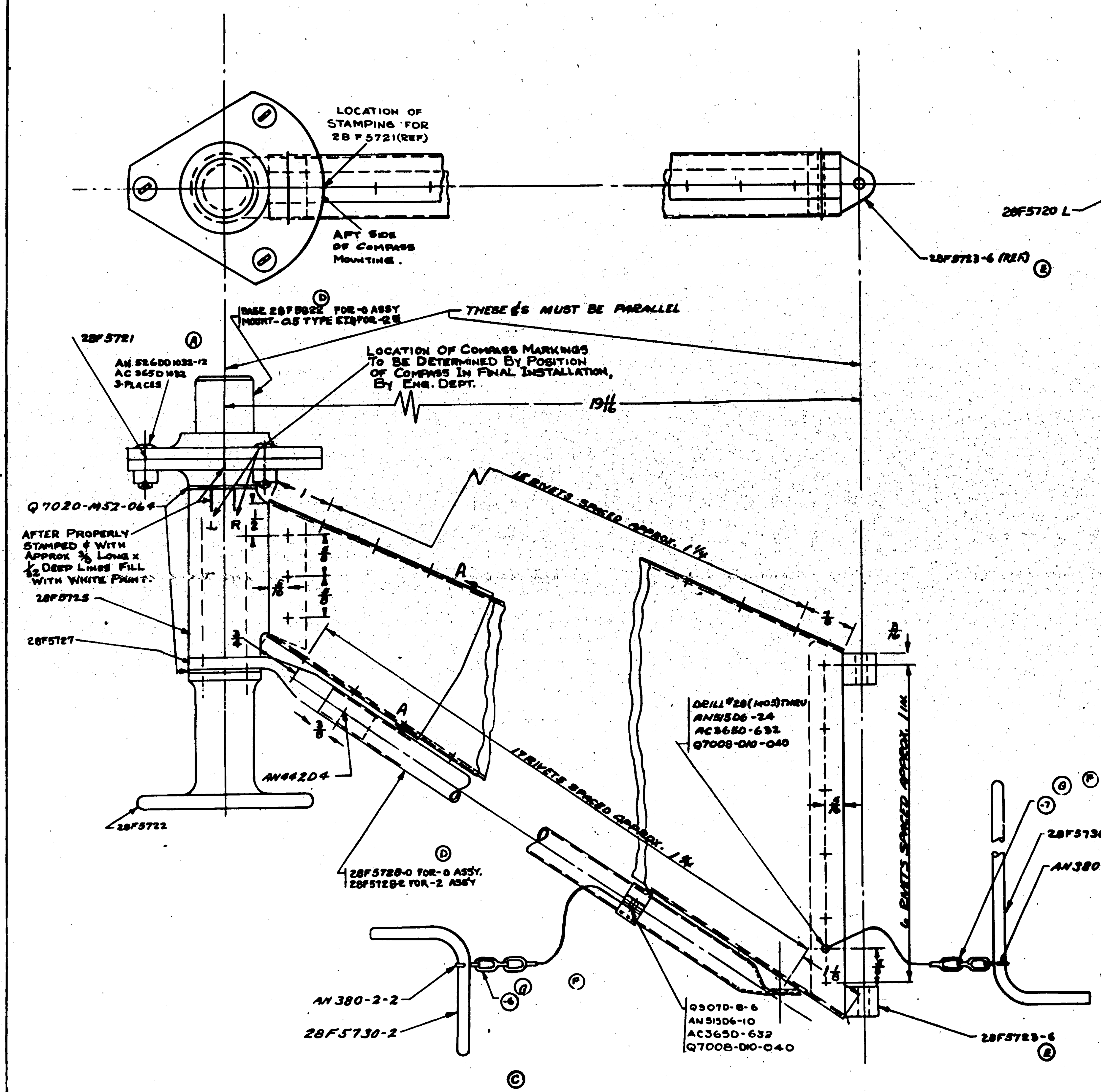
DWG. SIZE G — 28F5499

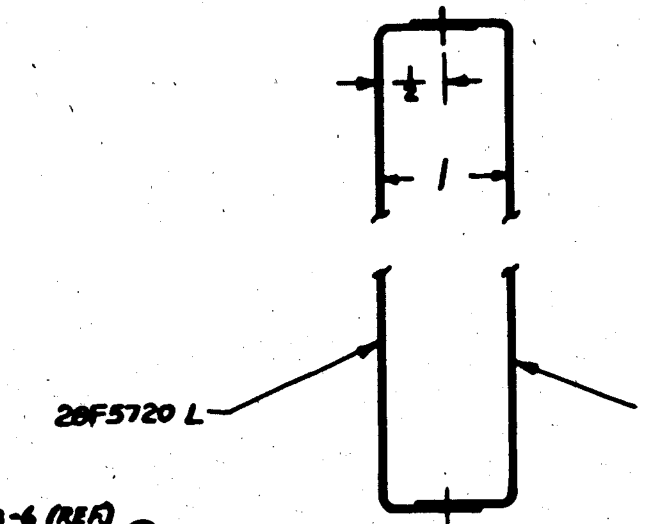
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 7/23/42



SIDE VIEW--0,3,4,5,24,25,50 & 100 ASSY.
SIDE VIEW -2 ASSY
END VIEW
-9 DETAIL
HEATER (REF.)
L LENGTH OF COIL
32F2134-50 ON-2 ASSY
32F2134-52- ON -3,25,50 & 100 ASSY
STEWART WARNER SPECIAL HEATER UNIT WITH SHROUD FURNISHED
PICK UP EXISTING S.M. SCREW IN HTR. (2)
DRILL #10 (.193) (4)
HANDLE ON-3 ASSY. ONLY
DRILL 3/16 DIA. 2 PLACES
DRILL 3/8 (.375)
AN526-682-6
WRAP WIRE AROUND SCREW
SHAKESPEARE WIRE
CONTROL ON-4 ASSY.
CONTROL ON-5 ASSY.
SHAKESPEARE CONTROL
CONTROL ON-8 ASSY. LENGTHS TO BE DETERMINED ON INSTALLATION
NOTE
REMOVE SHROUD FROM HEATER BEFORE DRILLING & ASSY.
NOTE: THIS DWG RUSH RELEASED WITH CHANGES "F" & 6-27-41
FINISH CODE
PARTS LIST PER ASSY
ZP-AP
ASSEM-FURNS-DEFROSTER DUCT & HEATER UNIT
CONSOLIDATED AIRCRAFT CORP.
28F5678





TYPICAL
SECTION A-A

NOTE -
ALL RIVETS AN442-D4
* CUST. FURNISHED
(H) MAKE -6 & -7 FROM C.A.C. #CH-7-5 SAFETY PLUMBERS CHAIN SIZE #00 OR EQUIV. MATERIAL: CORROSION RESISTANT STEEL, (J) ALUMINUM OR CADMIUM PLATED BRASS. MAY BE PURCHASED FROM AMERICAN CHAIN CO.
(K) C.A.C. #CH-2 (AL.ALL.CHAIN TO SPEC. N.A.F. 1088-1A) MAY BE USED AS AN ALTERNATE FOR C.A.C. #CH-7-5.

LET	ALTERATION	DATE	BY
	SIZE #00 OR EQUIV. (AMERICAN CHAIN CO.) CORROSION RESIST ANT STEEL, CADMIUM OR ZINC ELECTROPLATED STEEL CHAIN MAY BE USED" (NO WT. CHG.)	1-26-...	
J	IN R/M. REPLACED "A SAFETY PLUMBERS CHAIN (8" LONG)" WITH "-6 C.A.C. #CH-7-5 (8") NOTED MAT'L & SPEC. REPLACED "A SAFETY PLUMBER'S CHAIN (10" LONG)" WITH "-7 C.A.C. #CH-7-5 (10") NOTED MAT'L & SPEC. ON FACE OF DWG. REPLACED "SAFETY PLUMBERS CHAIN (8 LONG) A" WITH "-6. IN FACE REPLACED "SAFETY PLUMBERS CHAIN (10 LONG) A" WITH "-7". REPLACED MAT. NOTE "A SAFETY PLUMBER'S CHAIN SIZE #00 OR EQUIV. (AMERICAN CHAIN CO.) CORROSION RESISTANT STEEL, ALUMINUM OR CADMIUM PLATED BRASS MAY BE USED" WITH "MAKE -6 & -7 FROM C.A.C. #CH-7-5 --- AMERICAN CHAIN CO." (NO WT. CHG.)	5-21-...	

LET	ALTERATION	DATE	BY
	AN526DD1032-12 WAS AN526DD1032 -10	12-5-40	
	ADD -2 ASSY TO REPLACE -0 REQS. FOR PBY-5B	3-8-41	
C	REMOVE 18 3/4 DIM	12-17-41	
D	ADD NOTE-BASE 28F5822 FOR -0 ASSY, MOUNT-STD TYPE 0.5 FOR -2 ASSY - 28F5728-0 FOR -0 ASSY, 28F5728-2 FOR -2 ASSY - 28F5727-0 FOR -0 ASSY, 28F5727-2 FOR -2 ASSY, ADD NOTE - * -CUST. FURN.	12-11-41	
E	28F5723-6 WAS 28F5723-... (NO WT CHG.)	5-21-42	
F	ADDED NAF 29500-1B-10 WAS NAF 29500-1C-10 & NAF29500-1B-8 WAS NAF29500-1C-8. WT. CHG. ...		
G	ADDED NOTE "SAFETY --- USED. SAFETY PLUMBERS CHAIN WAS NAF 29500-1B-8 (C.A.C. #CH-5) & NAF 29500-1B-10 (C.A.C. #CH-5). WT. CHG. NEG.		
H	NOTE "A SAFETY ---- USED" WAS "A SAFETY PLUMBER'S CHAIN.		
K	ADDED NOTE: "C.A.C. #CH-2 --- ALTERNATE FOR C.A.C.-7-5." NO WT. CHG.	9-10-45	LARSEN

PART NO	STOCK	MATERIAL	SPEC	-0 REQ	-2 REQ
* STD TYPE	0.5 COMPASS MOUNT				1
-7	C.A.C. #CH-7-5X10	NOTED	NOTED	1	1
-6	C.A.C. #CH-7-5X8	NOTED	NOTED	1	1
Q7020-M52-064				2	2
Q7008-D10-040				2	2
Q5070-8-6				1	1
AN380-2-2				2	2
AC365D-632				2	2
AN515D6-10				1	1
AN442-D4					
AN515D6-24				1	1
AN526DD1032-12				3	3
AC365D1032				3	3
28F5822	BASE CASTING			1	—
28F5730-2				1	1
28F5730				1	1
28F5728-0				1	—
28F5727				1	1
28F5725				1	1
28F5723-6				1	1
28F5722				1	1
28F5721				1	1
28F5720 R				1	1
28F5720 L				1	1
28F5728-2					1

PARTS LIST PER ASSY.

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	28-5AMC	28F5718	1
	28-5MC	28F5718	1
	28-5MA	28F5718	1
-2	PBY-5A	28F5718	2
-2	PBY-5	28F5718	2
-2	PBY-5B	28F5718-R	1
-2	PBY-5B	28F5718-L	1
	28-5ME	28F5718	1

REQUIREMENTS PER AIRPLANE

C# 88476
C# 51876
(B)

REPLACES — CALC WT 2.42
REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

A.C. —
NAVY NONE
HEAT TREAT —
FINISH TOUCH-UP

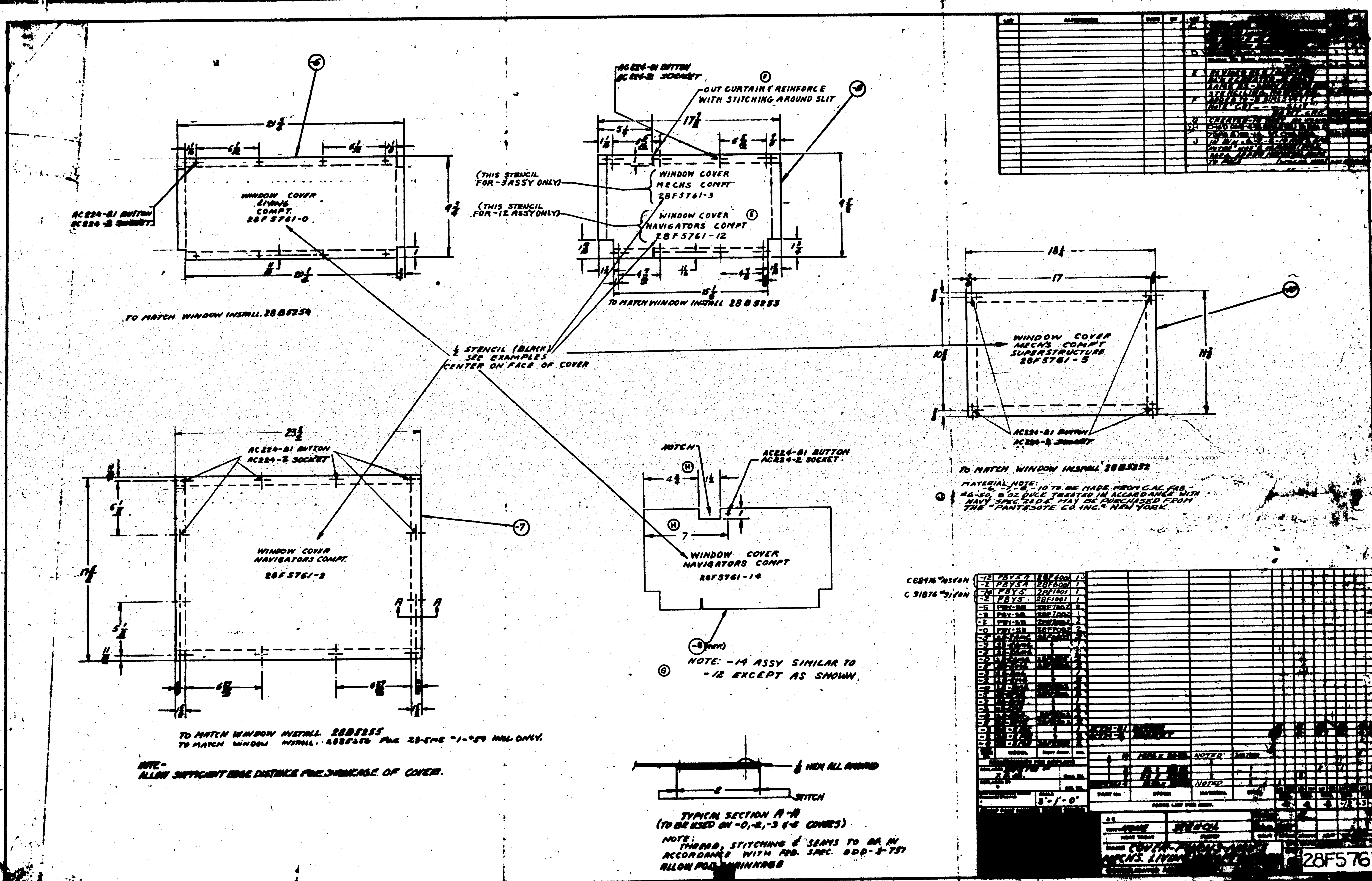
DRAFT J.C.H. 5-25-40 — CHECK C.W. — GROSS D.C. 7-24-44 — KLEIN 1-15-42 — J.W.H.

NAME SUPPORT ASSY- FURN- O-2 COMPASS-WAIST GUNNER'S

OPP HAND — G 28F5719

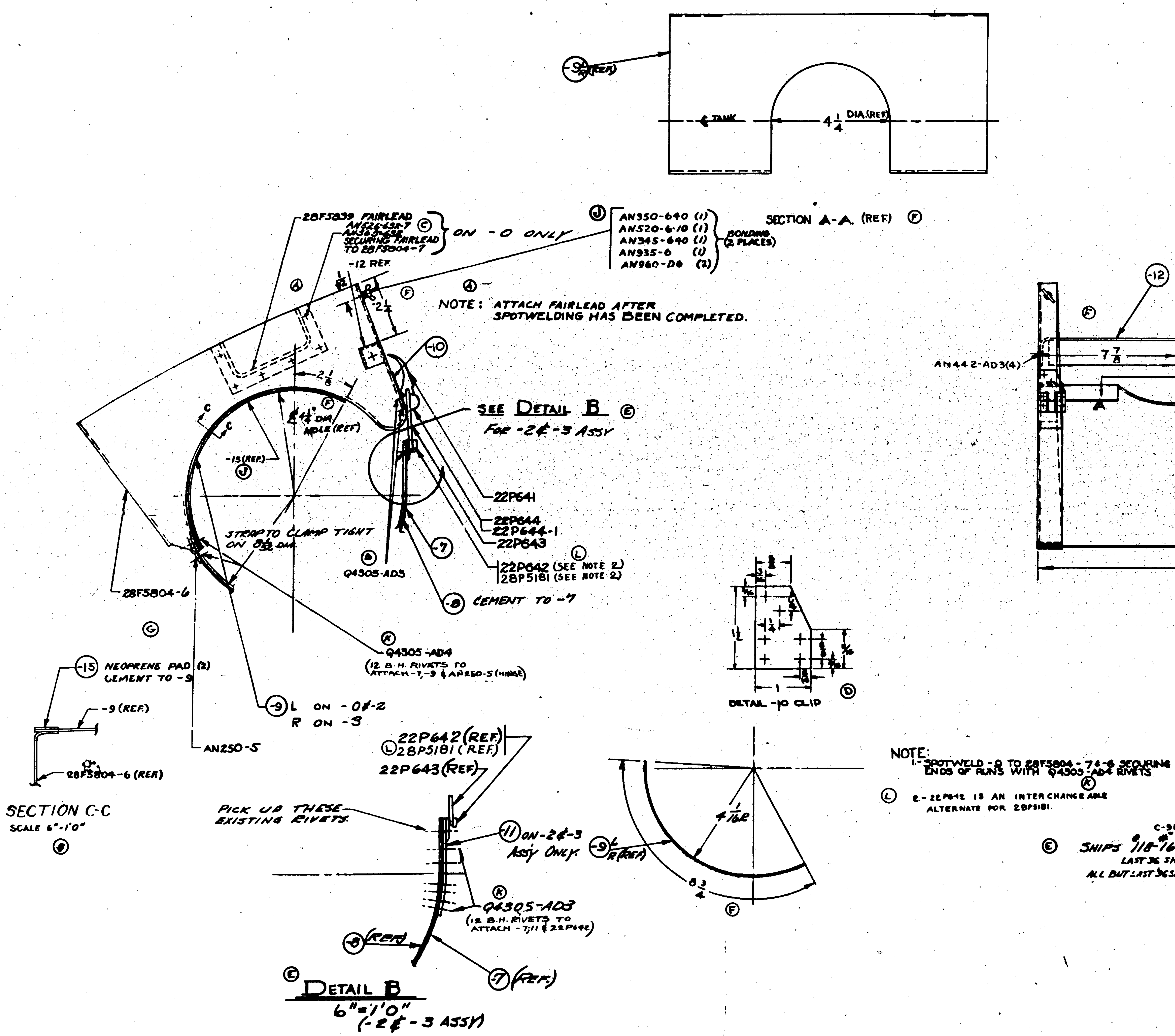
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

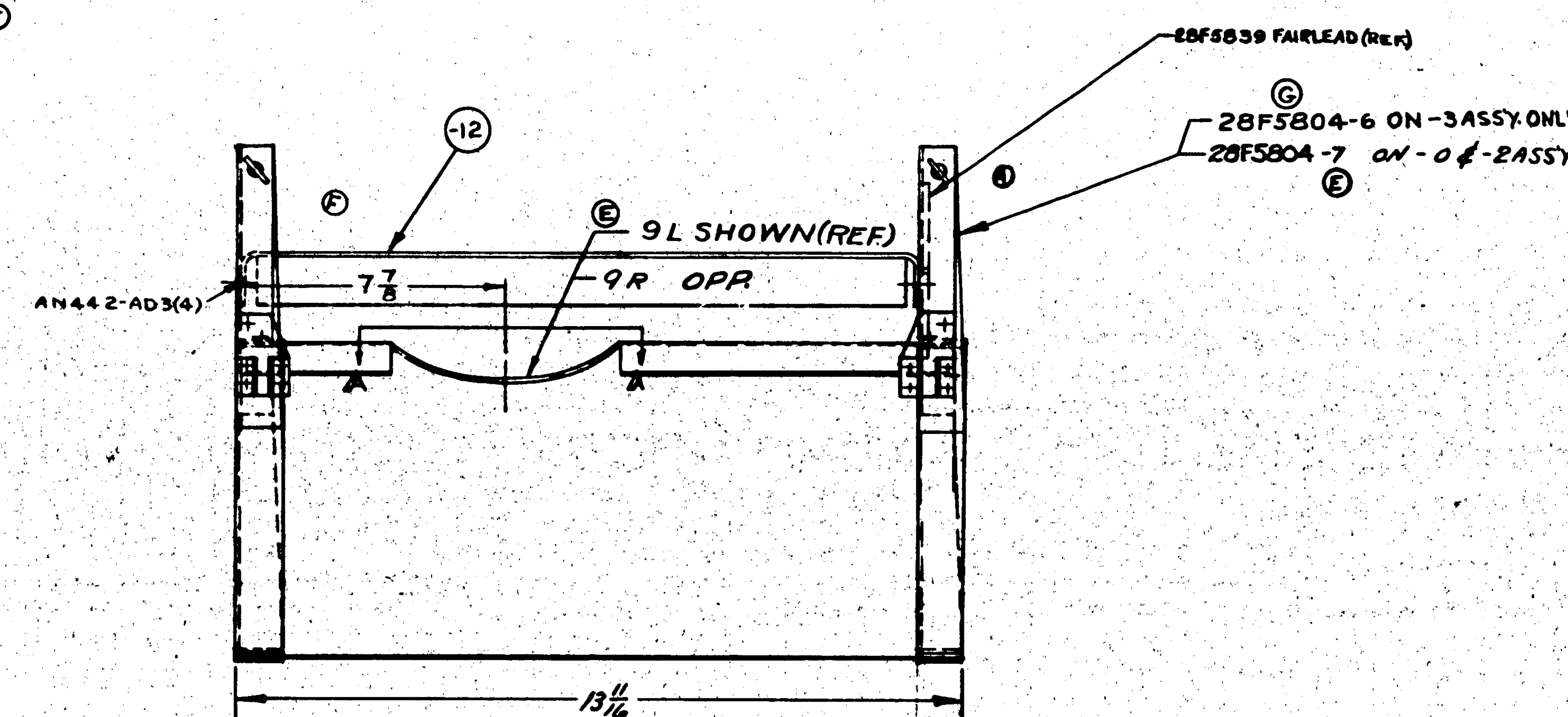
R 28F5719


WINDOW COVER LIVING COMPT. 28F5761-0
AC224-B1 BUTTON
AC224-2 SOCKET
TO MATCH WINDOW INSTALL 28B5254
AC224-B1 BUTTON
AC224-2 SOCKET
CUT CURTAIN & REINFORCE WITH STITCHING AROUND SLIT
(THIS STENCIL FOR -3 ASSY ONLY)
WINDOW COVER MECHS COMPT 28F5761-3
(THIS STENCIL FOR -12 ASSY ONLY)
WINDOW COVER NAVIGATORS COMPT 28F5761-12
TO MATCH WINDOW INSTALL 28B5253
1/2 STENCIL (BLACK) SEE EXAMPLES CENTER ON FACE OF COVER
WINDOW COVER MECHS COMPT SUPERSTRUCTURE 28F5761-5
AC224-B1 BUTTON
AC224-2 SOCKET
TO MATCH WINDOW INSTALL 28B5252
MATERIAL NOTE: -6, -7, -8, -10 TO BE MADE FROM C.A.C. FAB #G-50, 8 OZ DUCK TREATED IN ACCORDANCE WITH NAVY SPEC. 28D4. MAY BE PURCHASED FROM THE "PANTESOTE CO. INC." NEW YORK
AC224-B1 BUTTON
AC224-2 SOCKET
WINDOW COVER NAVIGATORS COMPT. 28F5761-2
NOTCH
AC224-B1 BUTTON
AC224-2 SOCKET
WINDOW COVER NAVIGATORS COMPT 28F5761-14
NOTE: -14 ASSY SIMILAR TO -12 EXCEPT AS SHOWN
TO MATCH WINDOW INSTALL 28B5255
TO MATCH WINDOW INSTALL 28B5256 FOR 28-5ME #1-#59 INCL ONLY.
NOTE-
ALLOW SUFFICIENT EDGE DISTANCE FOR SHRINKAGE OF COVERS.
1/8 HEM ALL AROUND
STITCH
TYPICAL SECTION A-A
(TO BE USED ON -0, -2, -3 & -5 COVERS)
NOTE: THREAD, STITCHING & SEAMS TO BE IN ACCORDANCE WITH FED. SPEC. DDD-T-751
ALLOW FOR SHRINKAGE
PBY5A
PBY5
PBY-5B
NOTED
STENCIL
28F5761

LET	ALTERATION	DATE	BY
J	ADDED -15, AN350-640(2), AN520-6-10(2), AN345-640(2), AN935-6(2) & AN960-D6(4). ADDED SECTION C-C. (WT. CHG. NEGL.)	8-7-42	[illegible]
K	FACE DWG. DEL.: Q4305-AD3 WAS Q4305-AD3 (E'S K' INSIDE -9L&R) (HINGE) Q4305-AD4 WAS Q4305-AD3 (FLUSH INSIDE -9(REF)) IN B/M: REM'D Q4305AD3. ADDED Q4305-AD4. NO WT. CHG.	5-22-43	[illegible]
L	TO B/M. ADDED "28P5181" (2 REQ. L.H. IN -2, -0 & -3 ASSYS); AT 28P5181 & 22P642 ADDED "(SEE NOTE 2)" TO FACE ADDED NOTE 2; AT CALLOUT OF 22P642 ADDED "(SEE NOTE 2)" & "28P5181 (SEE NOTE 2)" AT CALLOUT OF 22P642 (REF). ADDED "28P5181 (REF)" NO WT. CHG.	9-16-43	[illegible]

LET	ALTERATION	DATE	BY
A	ADDED 28F5839 FAIRLEAD AND ATTACHING RIVETS. FAIRLEAD WAS PART OF 28F5804. (MODEL 28-5 A.)	[illegible]	[illegible]
B	CHANGED RIVETS WERE Q4303-AD3	[illegible]	[illegible]
C	CHANGED FROM AN442-AD3 TO AN526-632-7 & AC365-632	[illegible]	[illegible]
D	-10 ADDED & DETAIL -10 ADDED	4-15-[illegible]	[illegible]
E	ADDED -11 & -2 & -3 ASSYS & [illegible] 28-5MC, MA & MC REQMTS. MADE -9 INTO -9L & R & ADDED DETAIL B	[illegible]	[illegible]
F	2 1/8 DIM. WAS 3 7/8 LENGTHENED -7 & -8 TO 15 & 14 1/4 RESP. -9L&R- .032x9 3/4x14 WAS .032x11x14. IN SECT. A-A CUTOUT REPLACES 4 1/4 DIA. HOLE. ADDED -12, AN442-AD3 (4) & 2 1/4 DIM. (REF) TO 4 1/4 DIM. & SECT A-A. (NEG. WT. CHG.)	6-29-42	[illegible]
G	IN -3 ASSY. 28F5804-6 WAS 28F5804-7 (NEG. WT. CHG.)	6-24-42	[illegible]
H	IN -2 & -3 ASSYS. 28F5805-11(2) WAS 28F5805-11(1) (NO WT. CHG.)	6-24-42	[illegible]





NOTE:
1.- SPOTWELD -9 TO 28F5804-7 & -6 SECURING ENDS OF RUNS WITH Q4305-AD4 RIVETS
2.- 22P642 IS AN INTERCHANGEABLE ALTERNATE FOR 28P5181.

SHIPS #118-167 INC. LAST 36 SHIPS ALL BUT LAST 36 SHIPS (C-91876)

PART No	STOCK	MATERIAL	SPEC	-0 LH REQ	-2 LH REQ	-3 LH REQ
AN935-6				2	2	2
AN345-640				2	2	2
AN520-6-10				2	2	2
AN350-640				2	2	2
Q4305-AD3						
Q4305-AD4						
AN960-D6				4	4	4
AN-250-5				2	2	2
AN526-632-7				6	6	—
AC365-632				6	6	—
AN442-AD3				4	4	4
28P5181	(SEE NOTE 2.)			2	2	2
28F5839	FAIRLEAD			1	1	—
28F5804-7				1	1	—
28F5804-6				1	1	2
22P644				2	2	2
22P644-1				2	2	2
22P643				2	2	2
22P642	(SEE NOTE 2.)			2	2	2
22P641				2	2	2
-15	1/32 x 1/2 x 3	NEOPRENE		2	2	2
-12	1/2-A24T x 15			1	1	1
-11	[illegible]	ALCLAD	47A9	—	2	2
-10	.040 x 1 3/8 x 5/8	ALC. 3HT	47A8 COND T	2	2	2
-9R	.032 x 9 3/4 x 14	ALCLAD	47A8 COND T	—	—	1
-9L	.032 x 9 3/4 x 14	ALCLAD	47A8 COND T	1	1	—
-8	[illegible] x 14 1/4	NEOPRENE		2	2	2
-7	.032 x [illegible] x 15	ALCLAD	47A8 COND T	2	2	2

PARTS LIST PER ASSY. (-0, -2, -3, -4, -5)

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
-2	28-5MC	28F5800	1
-3	PBY5	28F5800	1
-2	PBY5	28F5800	1
-3	PB/5	28F5800	1
-2	PB/3SB	28F5800	1
-2	28-5MA	28F5800	1
-0	28-5MEMA	28F5800	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.48 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN

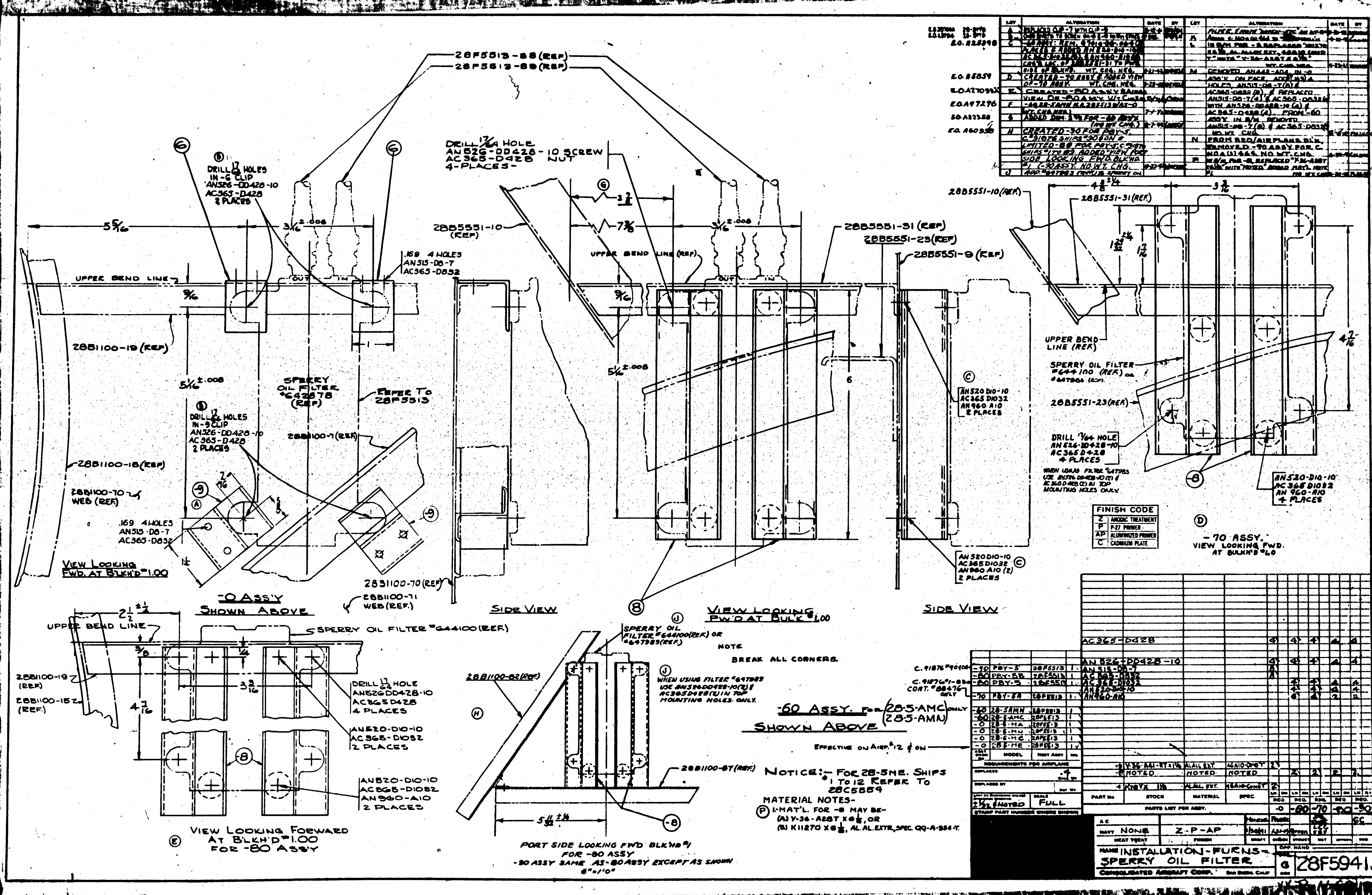
A.C. — NAVY: [illegible] — NONE
HEAT TREAT — FINISH
DRAFT — CHECK — STRUCT — MAT — APPROV — ENG
OPP. HAND

NAME: ASSY.-WATER TANK SUPPORT-FURN.-MECH'S COMP. L.H.

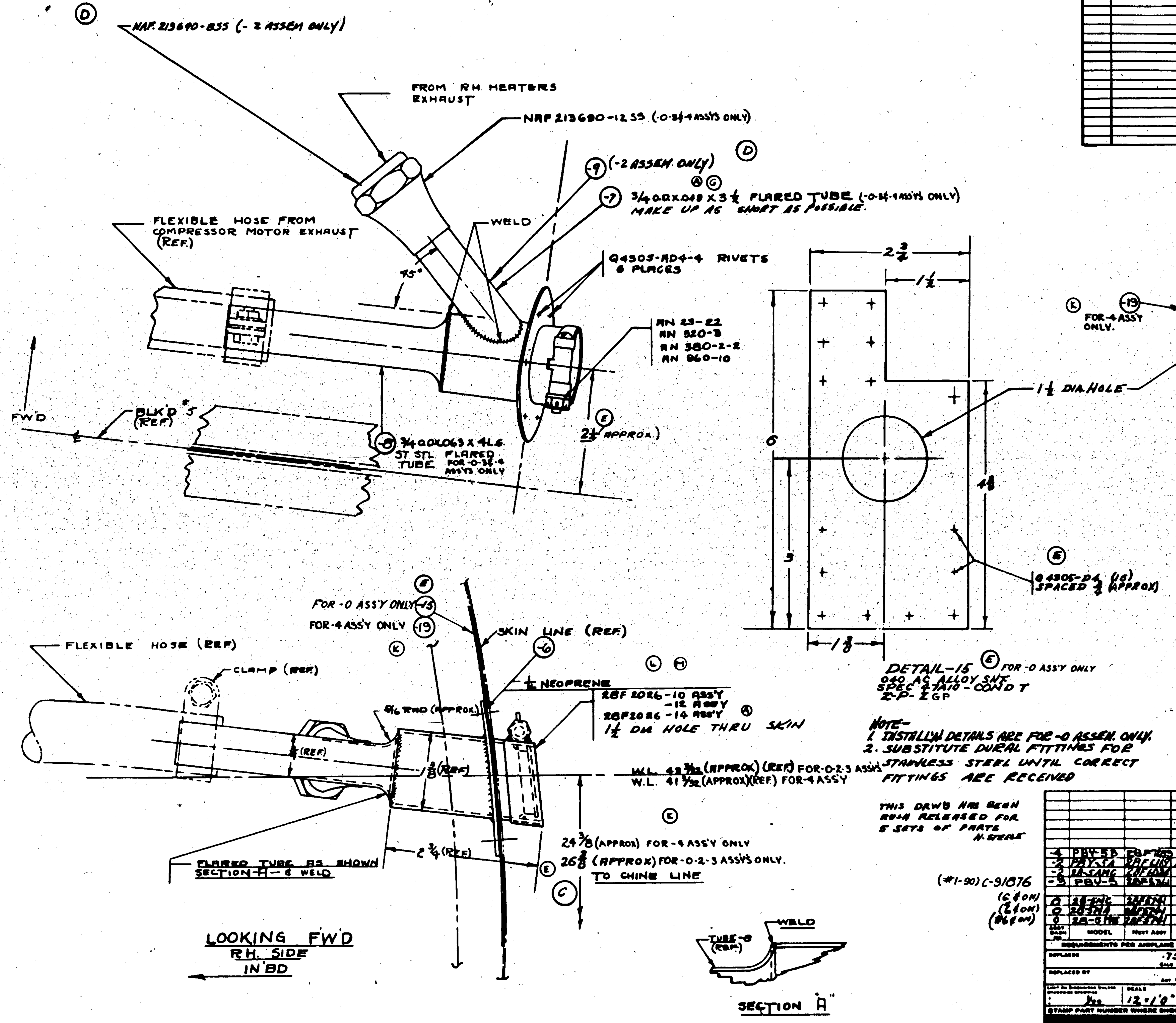
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. G 28F5805

28F5805



28F5513-88 (REF)
28F5513-89 (REF)
DRILL 17/64 HOLE
AN526-DD428-10 SCREW
AC365-D428 NUT
4-PLACES-
DRILL 17 HOLES IN -6 CLIP
AN526-DD428-10
AC365-D428
2 PLACES
UPPER BEND LINE
.169 4 HOLES
AN515-D8-7
AC365-D832
28B1100-19 (REF)
SPERRY OIL FILTER #642878 (REF)
REFER TO 28F5513
DRILL 17 HOLES IN -9 CLIP
AN526-DD428-10
AC365-D428
2 PLACES
28B1100-7 (REF)
28B1100-16 (REF)
28B1100-70 WEB (REF)
VIEW LOOKING FWD. AT B'LKH'D #1.00
-0 ASS'Y SHOWN ABOVE
28B1100-70 (REF)
28B1100-71 WEB (REF.)
SIDE VIEW
28B5551-10 (REF)
28B5551-31 (REF)
28B5551-23 (REF)
28B5551-9 (REF)
AN520D10-10
AC365D1032
AN960A10
2 PLACES
VIEW LOOKING FW'D AT BULK #1.00
SIDE VIEW
SPERRY OIL FILTER #644100 (REF.) OR #647983 (REF.)
DRILL 17/64 HOLE
AN526-DD428-10
AC365D428
4 PLACES
WHEN USING FILTER #647983 USE AN526DD428-10 (2) & AC365D428 (2) IN TOP MOUNTING HOLES ONLY.
AN520-D10-10
AC365D1032
AN960-A10
4 PLACES
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
-70 ASSY. VIEW LOOKING FWD. AT BULK'D #1.0
SPERRY OIL FILTER #644100 (REF)
28B1100-19 (REF)
28B1100-15 (REF.)
DRILL 17/64 HOLE
AN526DD428-10
AC365D428
4 PLACES
AN520-D10-10
AC365-D1032
2 PLACES
AN520-D10-10
AC365-D1032
AN960-A10
2 PLACES
VIEW LOOKING FORWARD AT B'LKH'D #1.00 FOR -80 ASSY
28B1100-82 (REF)
SPERRY OIL FILTER #644100 (REF) OR #647983 (REF)
NOTE BREAK ALL CORNERS.
WHEN USING FILTER #647983 USE AN526DD428-10 (2) & AC365D428 (2) IN TOP MOUNTING HOLES ONLY.
28B1100-87 (REF)
PORT SIDE LOOKING FWD BLK'HD #1 FOR -80 ASSY
-90 ASSY SAME AS -80 ASSY EXCEPT AS SHOWN
-60 ASSY. FOR (28-5-AMC / 28-5-AMN) ONLY
SHOWN ABOVE
EFFECTIVE ON AIRP. #12 & ON
NOTICE:- FOR 28-5ME. SHIPS #1 TO 12 REFER TO 28C5559
MATERIAL NOTES-
(P) 1-MAT'L. FOR -8 MAY BE-
(A) Y-36-A28T X 6 1/8, OR
(B) K11270 X 6 1/8, AL.AL.EXTR., SPEC. QQ-A-354-T.
PARTS LIST PER ASSY.
PART No
STOCK
MATERIAL
SPEC.
AC
NAVY NONE
Z-P-AP
HEAT TREAT
FINISH
NAME INSTALLATION-FURNS-SPERRY OIL FILTER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF
G 28F5941



NOTE-
1. INSTALL'N DETAILS ARE FOR -0 ASSEM. ONLY.
2. SUBSTITUTE DURAL FITTINGS FOR STAINLESS STEEL UNTIL CORRECT FITTINGS ARE RECEIVED

THIS DRAWG HAS BEEN RUSH RELEASED FOR 5 SETS OF PARTS
H. STEELE

(#1-90) C-91876 (C ¢ ON) (Z ¢ ON) (96 ¢ ON)

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP-GREEN PRIME

LET	ALTERATION	DATE	BY
M	CHG'D -6 MAT'L FROM "NEOPRENE COATED ABRASION" TO "NEOPRENE" WT. CHG. NEG.	8-12-41	CLARK
A	CHGD 28F2026-13 TO 28F2026-14	1-23-41	STEELE
	CHG 7 TUBE TO .058 FROM .063		
B	SPEC. 44T27 WAS 44T25. B/M.	2-3-41	MYERS
C	CHG. 22" DIM. TO 20 5/8.	2-24-41	MYERS
D	ADD NAF213690-855 & -9 ON DRWG. B/M & NOTE (-2 ASSEM)	2-27-41	MYERS
E	ADDED -15 & DETAIL TO DWG. CHM. ALSO Q4305-D4 & CHG'D DIM.	6-25-41	
F	CREATED 2 SUB ASSYS -16 & -17	6-9-41	
G	-7 TUBE CHG'D .049 WAS .058		
AF-G	IN B/M FOR -8 .035 WAS .048	9-16-41	
H	FINISH NOTE IN B/M DID READ SAND BLAST & CAD PL PRIOR TO INSTALLING FITTING. WT CHG NEG	1-3-42	
J	CREATED -3 ASSY FOR PBY-5 WT CHG NEG	4-3-42	
K	CREATED -4 ASSY. ADDED DETAIL OF -19. NEG. WT. CHG.	4-28-42	
L	-6 "COATED" WAS "IMPREG" ADDED SPEC. N-11 WT CHG NEG	8-17-42	

PART No	STOCK	MATERIAL	SPEC.	-0	-2	-3	-4	-5
Q4305-D5								
AN442-AD4								
AN380-2-2				1	1	1	1	
28F5958-9	¾ O.D. X .035 X 4 7/8	CORR. RES. ST.	44T27		1			
28F5958-8					1			
28F2026-14					1			
28F2026-12					1			
28F2026-10					1			
NAF213690-855					1			
AN23-22					1			
AN320-3					1			
AN960-10					1			
-17 SUB ASSY.								
28F5958-8	¾ O.D. X .035 X 4 7/8	CORR. RES. STL.	44T27	1		1	1	
28F5958-7	¾ O.D. X .049 X 3⅛	CORR. RES. STL.	44T27	1		1	1	
28F2026-14				1		1	1	
28F2026-12				1		1	1	
28F2026-10				1		1	1	
NAF213690-12SS				1		1	1	
AN23-22				1		1	1	
AN320-3				1		1	1	
AN960-10				1		1	1	
-16 SUB ASSY.								
-17 SUB ASSY.					1			
-16 SUB ASSY.				1		1	1	
28F5958-15	.040 X 2¾ X 5⅛	AC ALLOY SHT.	47A10-T	1				
28F5958-6	.020 X 2¾ X 6⅛	AC ALLOY SHT.	47A10	1				
28F5958-6	1/16 NEOPRENE		N-11	1	1	1	1	1

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-4	PBY-5B	28F1469	1
-2	PBY-5A	28F1481	1
-3	28-5AMC	28F6036	1
-3	PBY-5	28F5741	1
0	28-5MC	28F5741	1
0	28-5MA	28F5741	1
0	28-5ME	28F5741	1

REQUIREMENTS PER AIRPLANE

REPLACES — .75 CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32 — SCALE 12 = 1'0"
STAMP PART NUMBER WHERE SHOWN

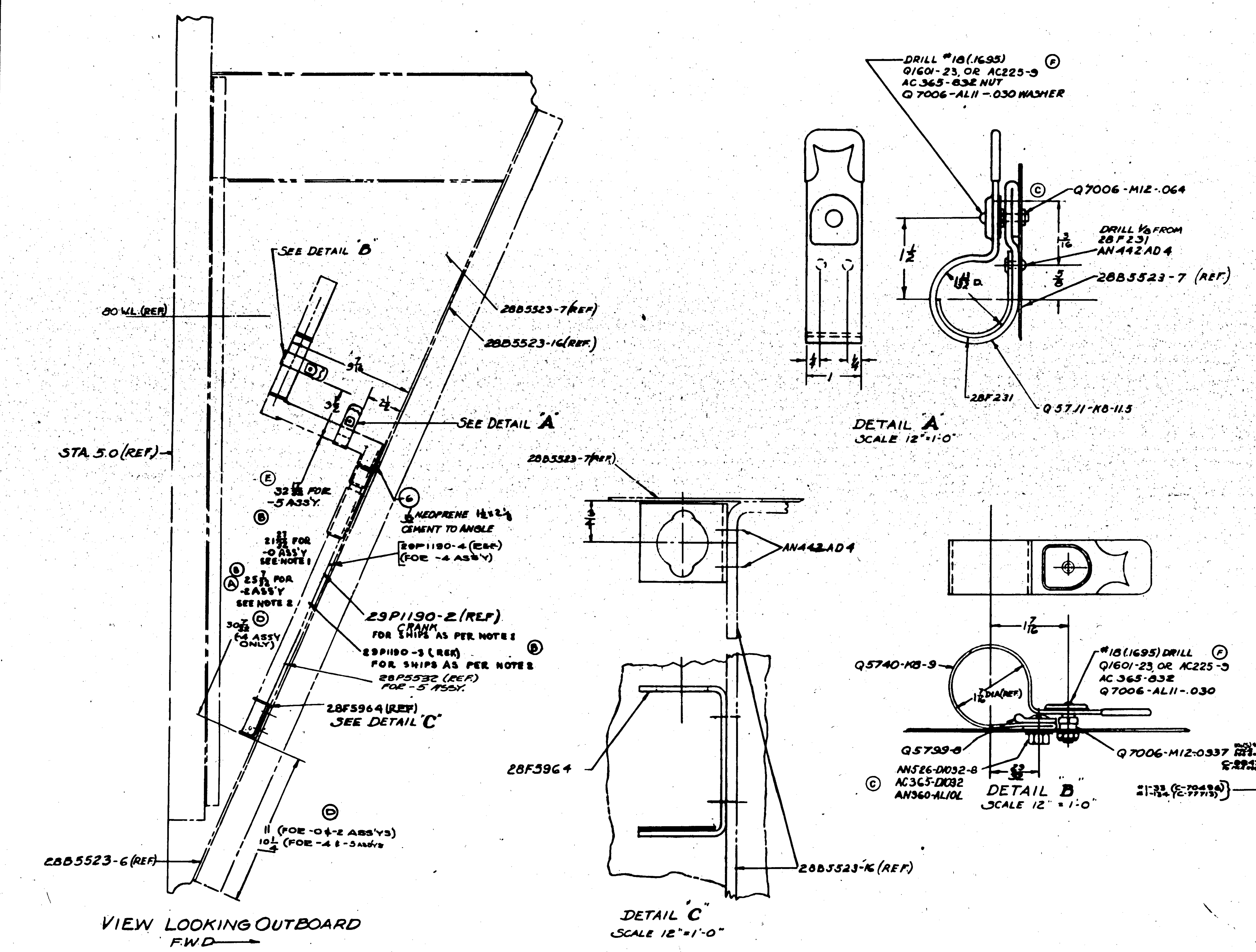
A C —
NAVY NONE
HEAT TREAT
FINISH: PASSIVATE PRIOR TO INSTALLING FITTINGS
DRAFT — CHECK — STRUCT — MAT — APPROV. — ENG

NAME ASS'Y. & INSTALL. FURNS. - HEATER & BLOWER EXHAUST-HT. SYS.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F5958

R



~NOTE~

1. THIS DIM. FOR PBY-5A, SHIPS #1 TO #33 INCL CONTRACT #70496 (PBY-5 SHIPS #168-#200) & FOR ALL 28-5AMC SHIPS.
2. THIS DIM. FOR PBY-5A SHIPS #1 TO #134 INCL CONTRACT #77713

LET	ALTERATION	DATE	BY
A	-2 ASSY CREATED, ADDITION -0 EXCEPT DIM. NOTED, SCALE OF DRAWING CHANGED FROM 6"=1'0" TO 3"=1'0"	4-30-41	
B	ADDED "SEE NOTE 1, SEE NOTE 2, FOR SHIPS AS PER NOTE 1", 29P1190-3 (REF) FOR SHIPS AS PER NOTE 2, & NOTES 1 & 2. NO WT. CHG.	3-21	
C	REM. Q7006-AL8-.040(2) DETAIL "A", AN442-A4 (DETAIL "B"), ADDED AN526-D1032-8(1), AC365-D1032(1) & AN360-AL10L(1) in DETAIL "B" No Chg. Wt.	8-7-42	
D	CREATED -4 ASSY NO WT CHG		
E	CREATED -5 ASSY (NO WT CHG) SAME AS -4 ASSY EXCEPT DIM. 32 1/32 WAS 30 7/32 IN REQ/AIRPLANE ADDED -5 ASSY FOR PBY-5A ON MCR 293 N.A. 28F6002 LIMIT -4 ASS'Y		
F	IN BOM ADDED "Q1601-23(2)" AT AC225-9 (Q1601-23, ADDED "SEE NOTE" ON FACE, REPLACED CALLOUT AC225-9 POST WITH NOTE "Q1601-23, OR AC225-9 POST", REPLACED CALLOUT AC225-9 WITH NOTE "Q1601-23, OR AC225-9". NO WT. CHG	10-8-43	HODIK

ASSY DASH NO.	MODEL	NEXT ASSY.	NO.
-5	PBY-5A	28F6002	1
-4	PBY-5A	28F6002	1
	28-5AMN	28F6005	1
	28-5AMC	28F6005	1
-2	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — .84 CALC. WT.

REPLACED BY — ACT. WT.

SCALE: 3"=1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
AN360-AL10L				1	1		1	1
AC365-D1032				1	1		1	1
AN526-D1032-8				1	1		1	1
AN442AD4								
AC225-9	(SEE NOTE)			2	2		2	2
AC365-832				2	2		2	2
Q7006-M12-.0337				1	1		1	1
Q7006-M12-.064				1	1		1	1
Q7006-AL11-.030				2	2		2	2
Q1601-23	(SEE NOTE)			2	2		2	2
Q5799-8				1	1		1	1
Q5711KB-11.5				1	1		1	1
Q5740KB-9				1	1		1	1
28F5964				1	1		1	1
28F231				1	1		1	1
-6	1/32 x 1 1/2 x 2 1/8	NEOPRENE	N-11	1	1		1	1

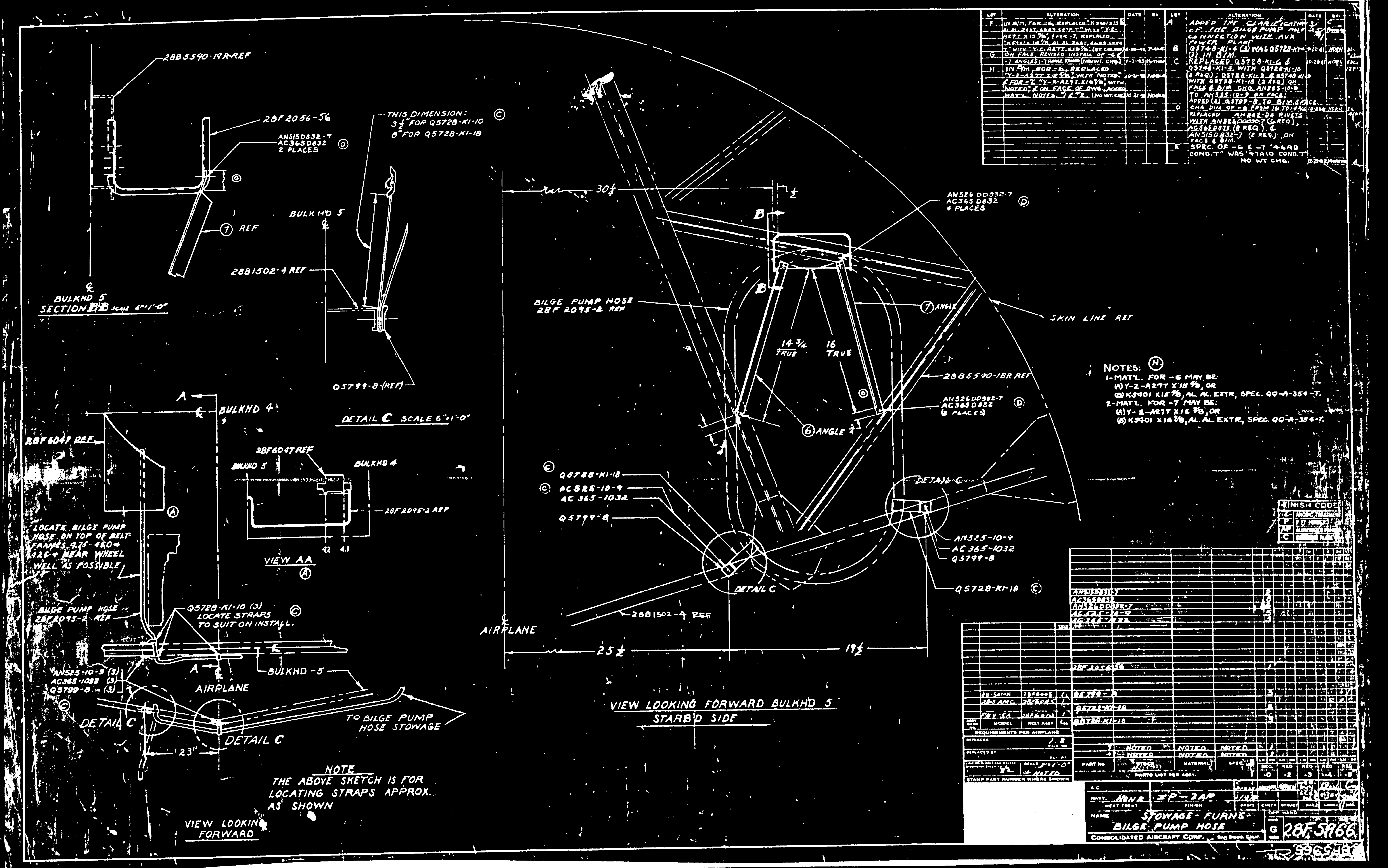
PARTS LIST FOR ASSY.

NAME: INSTALL - FURNS - ENGINE CRANK STOWAGE

G 28F5963

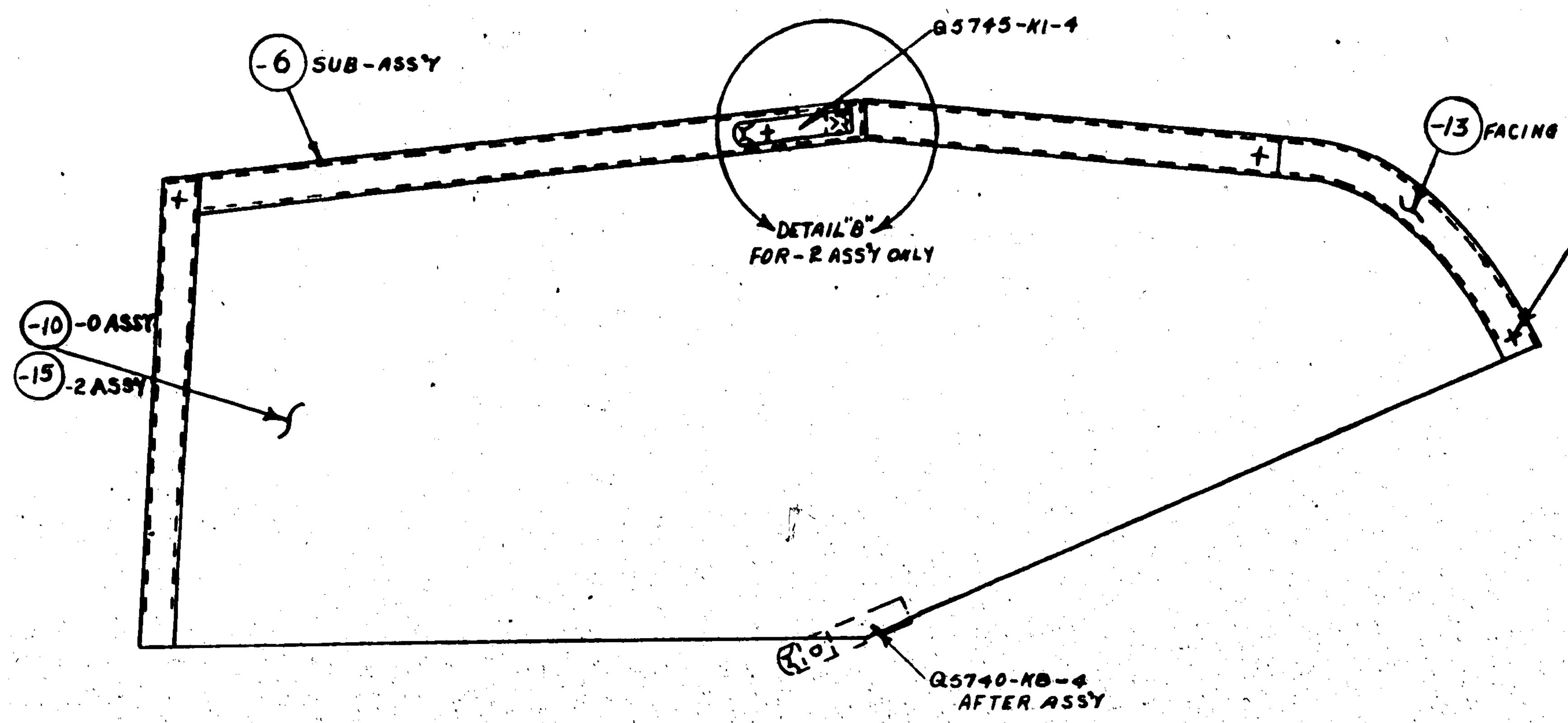
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

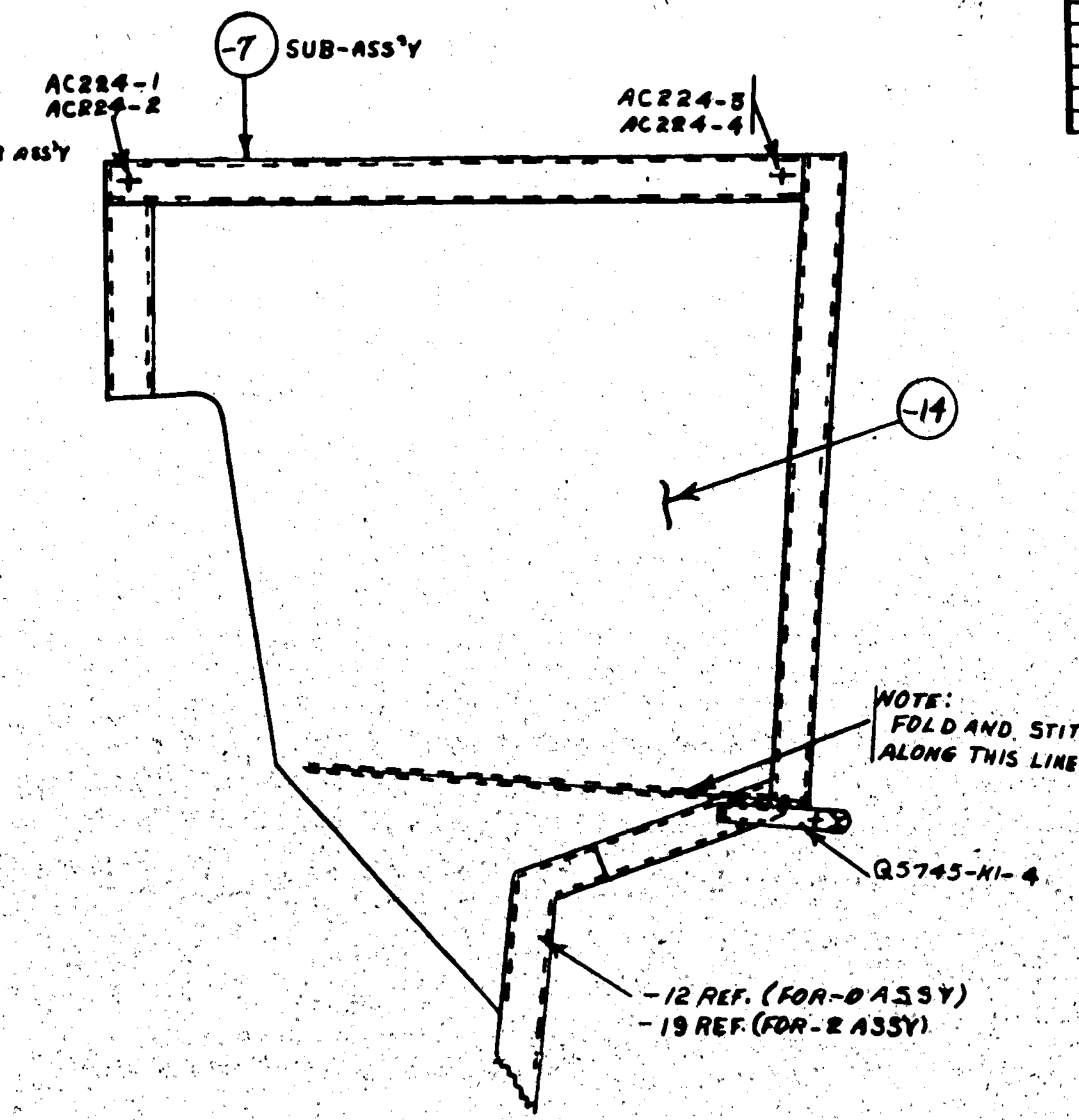
R 28F5963

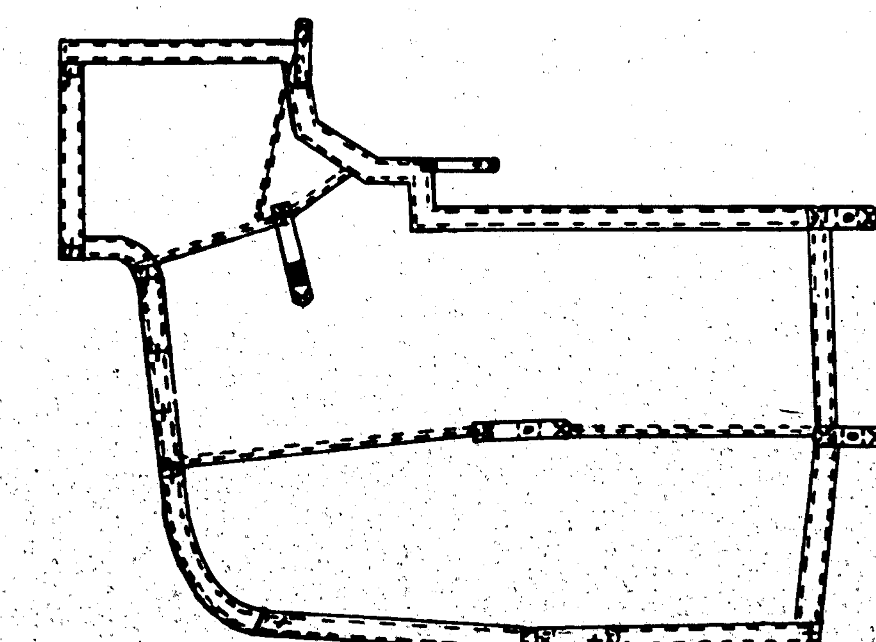


28B5590-19R REF
28F2056-56
AN515D832-7
AC365D832
2 PLACES
7 REF
BULKHD 5
SECTION B-B SCALE 6"=1'-0"
THIS DIMENSION:
3 1/2" FOR Q5728-KI-10
8" FOR Q5728-KI-18
28B1502-4 REF
Q5799-8 (REF)
DETAIL C SCALE 6"=1'-0"
BULKHD 4
28F6047 REF
VIEW AA
28F2095-2 REF
LOCATE BILGE PUMP HOSE ON TOP OF BELT FRAMES 4.75 - 450 + 426 + NEAR WHEEL WELL AS POSSIBLE
BILGE PUMP HOSE 28F2095-2 REF
Q5728-KI-10 (3)
LOCATE STRAPS TO SUIT ON INSTALL.
AN525-10-9 (3)
AC365-1032 (3)
Q5799-8 (3)
AIRPLANE
DETAIL C
TO BILGE PUMP HOSE STOWAGE
NOTE
THE ABOVE SKETCH IS FOR LOCATING STRAPS APPROX. AS SHOWN
VIEW LOOKING FORWARD
AN526DD832-7
AC365D832
4 PLACES
BILGE PUMP HOSE 28F2095-2 REF
7 ANGLE
SKIN LINE REF
14 3/4 TRUE
16 TRUE
28B5590-18R REF
6 ANGLE
Q5728-KI-18
AC525-10-9
AC365-1032
Q5799-8
AN525-10-9
28B1502-4 REF
VIEW LOOKING FORWARD BULKHD 5
STARB'D SIDE
NOTES:
1-MAT'L. FOR -6 MAY BE:
(A) Y-2-A27T X 15 7/8, OR
(B) K5901 X15 7/8, AL. AL. EXTR, SPEC. QQ-A-354-T.
2-MAT'L. FOR -7 MAY BE:
(A) Y-2-A27T X16 7/8, OR
(B) K5901 X16 7/8, AL. AL. EXTR, SPEC. QQ-A-354-T.
FINISH CODE
STOWAGE - FURN'S
BILGE PUMP HOSE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28F5866

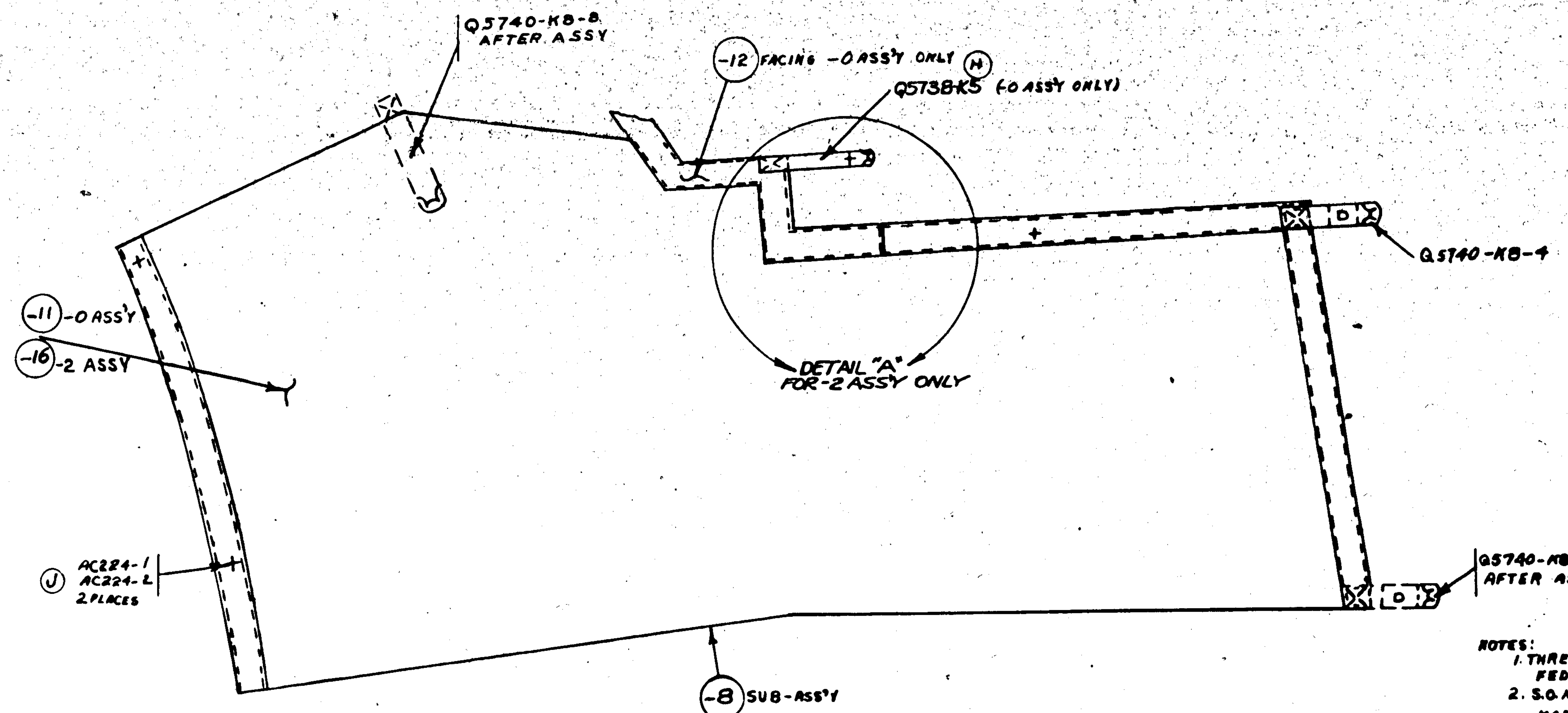
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				G	REDRAWN	3/16/43	STEIN
				H	IN B/M Q5738-K4 WAS		
					Q5738-K8-4 & Q5738-K5		
					WAS Q5738-K1-5		
					NO WT CHG.	1/23/43	WEIGHT
				J	ON FACE, AC224-2 WAS AC224		
					-3, IN -17 SUB ASSY, AC224-1 (6)		
					WAS (7), & AC224-2 (6) WAS (7) IN		
					-8 SUBASSY, AC224-1(3) WAS (4)		
					& AC224-2(3) WAS (4) NEG. WT. CHG		

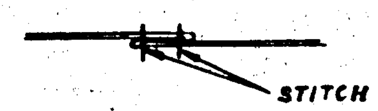






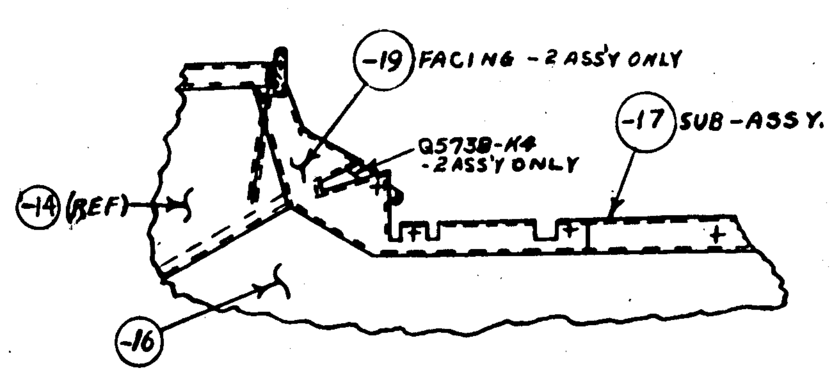
PLAN VIEW OF ASSY



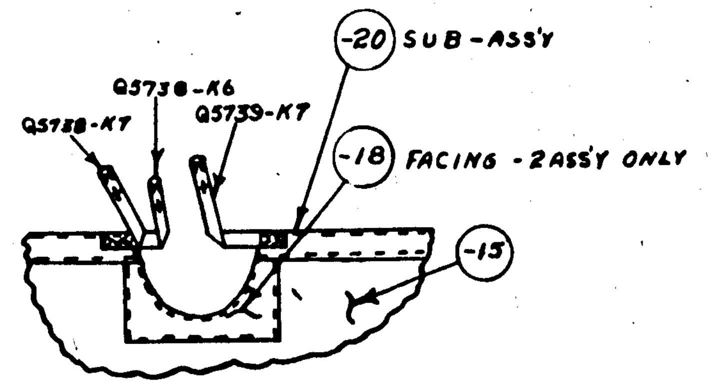


TYPICAL ASSY SEAM

NOTES:
1. THREAD & STITCHING TO CONFORM WITH FEDERAL SPEC. DDD-S-751
2. S.O. NO. 936-59 200 PARTS TO BE MADE AND SHIPPED. S.O. NO. 949-8 134 PARTS TO BE MADE AND INSTALLED BY C.A.C.
3. CURTAIN TO BE MADE FROM C.A.C. MB-2. 8.7 OZ. DUCK OLIVE DRAB MILDEW RESISTANT & WATER REPELLENT, FEDERAL SPEC. CCC-D-771, TYPE 3



DETAIL 'A' (-2 ASS'Y ONLY.)



DETAIL B (-2 ASS'Y ONLY.)

APPROVED FOR TOOLING BY
V Bostrom 2-16-43

NOR(S) 464
C 91876-#91 & ON
C-70486, 71715 & 88476 ON
C-70496 & C91876-#7-90

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5A	28F5977	1
-2	PBY-5	28F5977	1
-0	PBY-5A	28F5977	1
-0	PBY-5	28F5977	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F5978 OF 5-21-41 — 1.45 CALC. WT.
REPLACED BY — ACT. WT.
SCALE: NO SCALE
STAMP PART NUMBER WHERE SHOWN

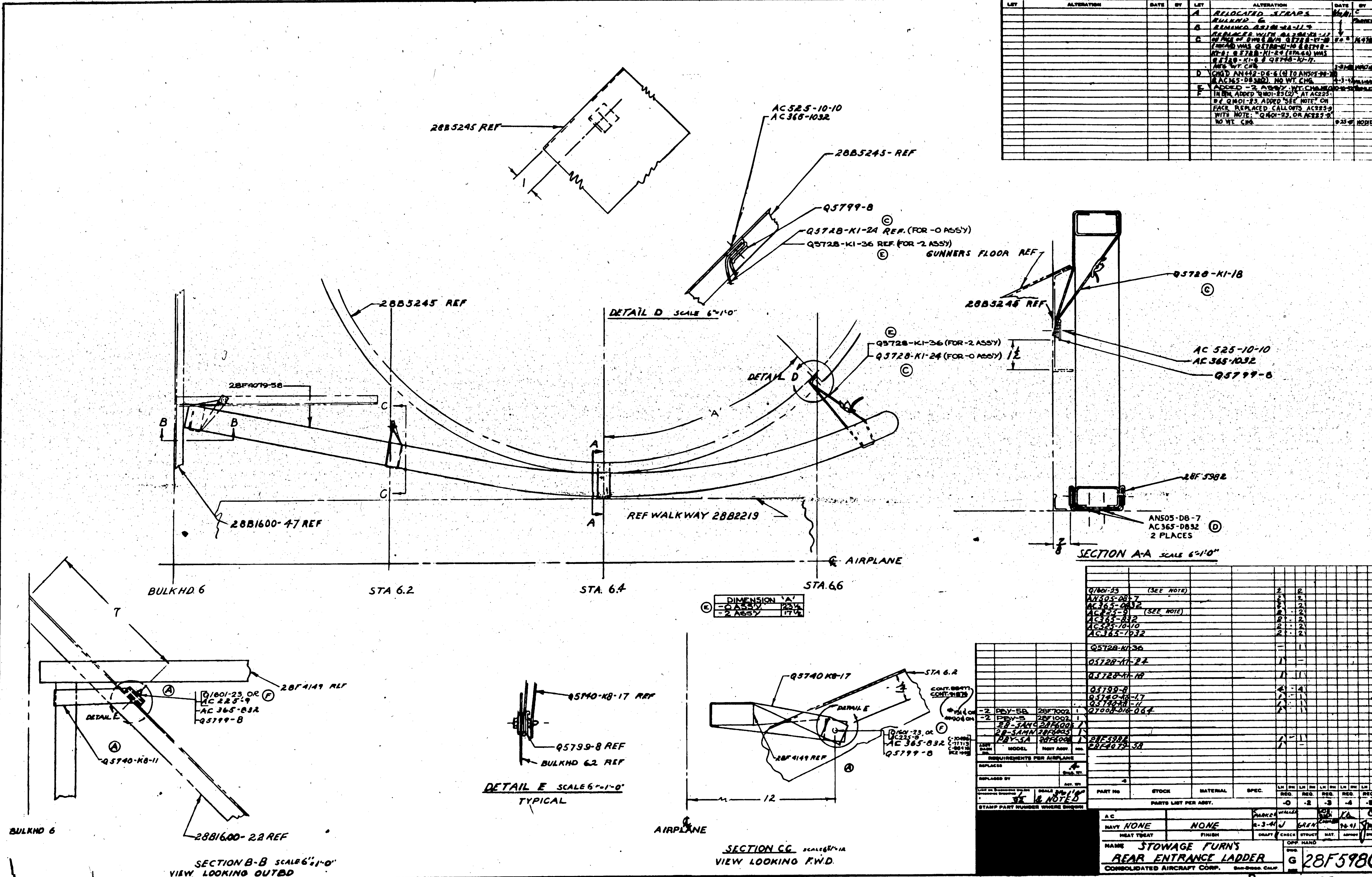
PART NO.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
Q5738-K7				1				
Q5738-K6				1				
Q5738-K7				1				
AC224-2				2				
AC224-1				2				
-13	3 1/4 x 11 1/4	FAB-2	COMM	1				
-18	6 1/2 x 8 1/2	FAB-2	COMM	1				
-15	20 1/4 x 50 1/2	FAB-2	COMM	1				
-20	SUB ASSY							
Q5738-K4				1				
AC224-2				6				
AC224-1				6				
-19	9 x 21 1/2	FAB-2	COMM	1				
-16	25 1/2 x 57	FAB-2	COMM	1				
-17	SUB ASSY							
AC224-2				3				
AC224-1				3				
Q5738-K5				1				
Q5740-K8-4				1				
-12	5 1/2 x 16	FAB-2	COMM	1				
-11	25 1/2 x 57	FAB-2	COMM	1				
-8	SUB ASSY							
Q5745-K1-4				1				
AC224-4				1				
AC224-3				1				
AC224-2				1				
AC224-1				1				
-14	25 x 30	FAB-2	COMM	1				
-7	SUB ASSY							
Q5745-K1-4				1				
AC224-2				2				
AC224-1				2				
-13	3 1/4 x 11 1/4	FAB-2	COMM	1				
-10	20 1/2 x 50 1/4	FAB-2	COMM	1				
-6	SUB ASSY							
AC224-2				1	1			
AC224-1				1	1			
Q5740-K8-8				1	1			
Q5740-K8-4				2	2			
Q5739-K4					1			
-20	SUB ASSY				1			
-17	SUB ASSY				1			
-8	SUB ASSY			1				
-7	SUB ASSY			1	1			
28F5978-6	SUB ASSY			1				

PARTS LIST PER ASSY.

A C		1-21-41					
NAVY NONE	NONE						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.

NAME: CURTAIN-FURN'S-BLIND FLYING
DWG. G 28F5978
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F5978 R



LET	ALTERATION	DATE	BY
A	RELOCATED STRAPS BULKHD 6		C
B	REMOVED Q5740-K8-11 REPLACED WITH Q5740-K8-17		
C	ON FACE OF DWG & B/M Q5728-K1-18 (SECTION) WAS Q5728-K1-10 & Q5748-K1-8; Q5728-K1-24 (STA.6.6) WAS Q5728-K1-6 & Q5748-K1-17. NEG WT. CHG	3-3-42	
D	CHG'D AN442-D6-6 (4) TO AN505-D8-7(2) & AC365-D832(2). NO WT. CHG.	4-3-42	
E	ADDED -2 ASS'Y. WT. CHG. NEG		
F	IN B/M, ADDED "Q1601-23(2)" AT AC225-9 & Q1601-23. ADDED "SEE NOTE" ON FACE. REPLACED CALLOUTS AC225-9 WITH NOTE: "Q1601-23, OR AC225-9" NO WT. CHG.	9-25-4?	

DIMENSION 'A'	
-0 ASS'Y	25 1/2
-2 ASS'Y	17 1/2

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
Q1601-23 (SEE NOTE)				2	2			
AN505-D8-7				2	2			
AC365-D832				2	2			
AC225-9 (SEE NOTE)				2	2			
AC365-832				2	2			
AC525-10-10				2	2			
AC365-1032				2	2			
Q5728-K1-36				—	1			
Q5728-K1-24				1	—			
Q5728-K1-18				1	1			
Q5799-8				4	4			
Q5740-K8-17				1	1			
Q5740-K8-11				1	1			
Q7008-D16-064				1	1			
28F5982				1	1			
28F4079-58				1	—			

PARTS LIST PER ASSY.

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5B	28F7002	1
-2	PBY-5	28F1002	1
	28-5AMC	28F6005	1
	28-5AMN	28F6005	1
	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 4

REPLACED BY — ACT. WT.

SCALE: 3/4"=1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

A C		
NAVY NONE	NONE	
HEAT TREAT	FINISH	

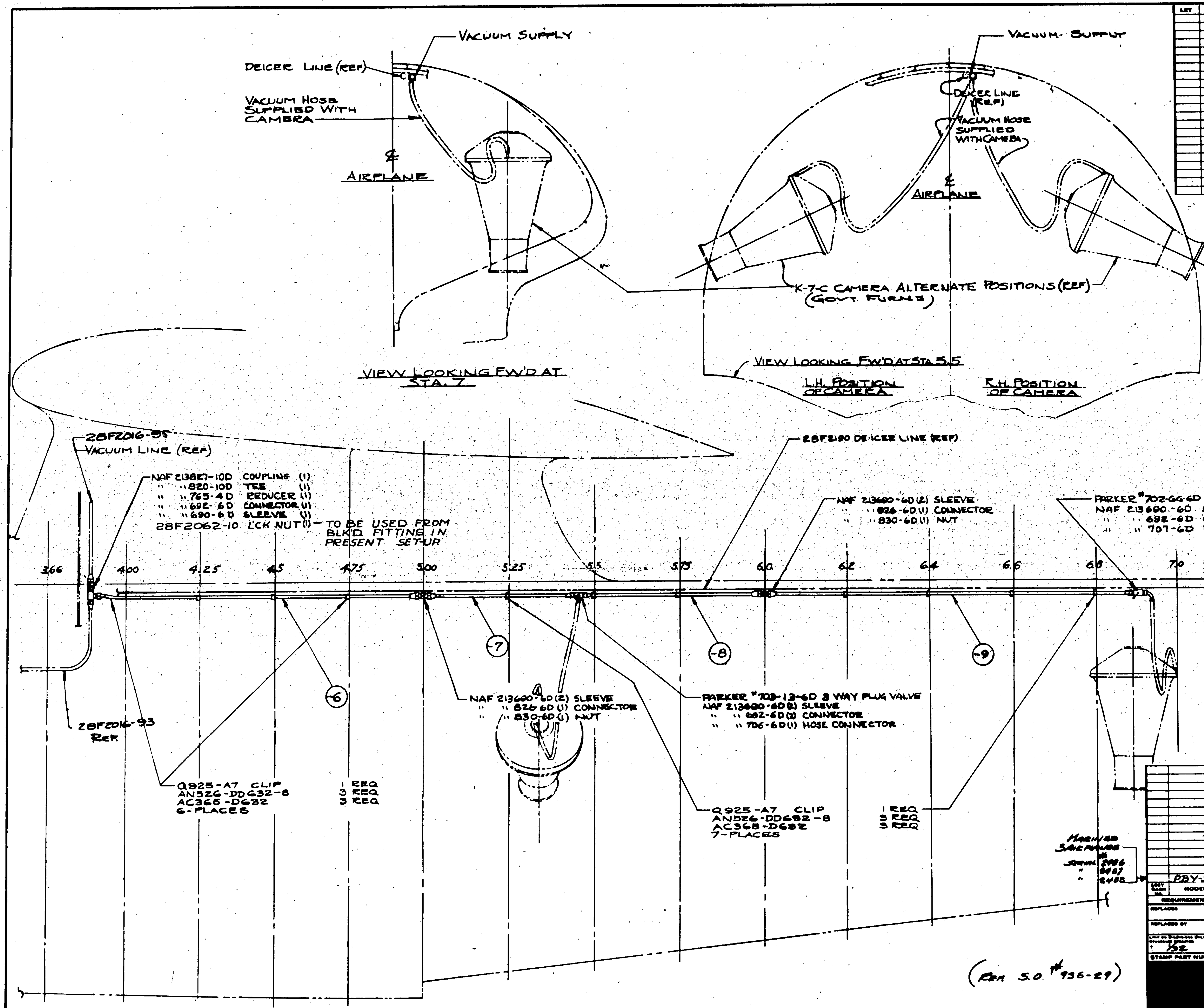
DRAFT: PARKER 2-3-41 — CHECK: WALLER — STRUCT: GREN

NAME: STOWAGE FURN'S REAR ENTRANCE LADDER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F5980

R



NOTES

TUBE MARKING TO BE IN ACCORDANCE WITH AN 9197-C SPEC. — TUBES TO BE MARKED WITH BANDS OF LIGHT GREEN & WHITE - AT ENDS & AS REQUIRED TO CLEARLY IDENTIFY SYSTEM —

USE THREAD COMPOUND AS PER AN 9516 SPEC. ON ALL THREADS —

ALL TUBES TO BE BONDED IN ACCORDANCE WITH C.A.C. BONDING REPORT Nº 28E4027 —

CLIPPING AND SUPPORTING OF THE 3/8 TUBE TO PARALLEL DEICER LINE TO TAIL WHERE POSSIBLE — REFER TO 28F2190 —

FINISH TUBES OUTSIDE Z-P-2AL FITTINGS & STANDARD PARTS P-2AL

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

PRESS. TEST TO 10 AIR

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
PARKER # 702-66-6D-2WAY PLUG VALVE (DIM SHT. -702) LUBE #3 —				1				
PARKER # 703-13-6D-3WAY PLUG VALVE (DIM. SHT. -703) LUBE #3 —				1				
NAF213830-6D	✓			2				
NAF213827-10D	✓			1				
NAF213826-6D	✓			2				
NAF213820-10D	✓			1				
NAF213765-4D	✓			1				
NAF213707-6D	✓			1				
NAF213706-6D	✓			1				
NAF213692-6D	✓			4				
NAF213690-6D	✓			8				
AC365-D632				78				
AN526-DD632-8				78				
Q925-A7				13				
-9	3/8 OD x .032 x 97	5250 AL ALL	49T32 Temper A	1				
-8	x 52			1				
-7	x 46			1				
-6	3/8 OD x .032 x 86	5250 AL ALL	49T32 Temper A	1				

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F2016	1

MARINES SAVE HOUSE SERIAL 2486, 2487, 2488

REQUIREMENTS PER AIRPLANE

REPLACES — 2.5 CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 1" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NOTED	1-2-41					
HEAT TREAT	FINISH						

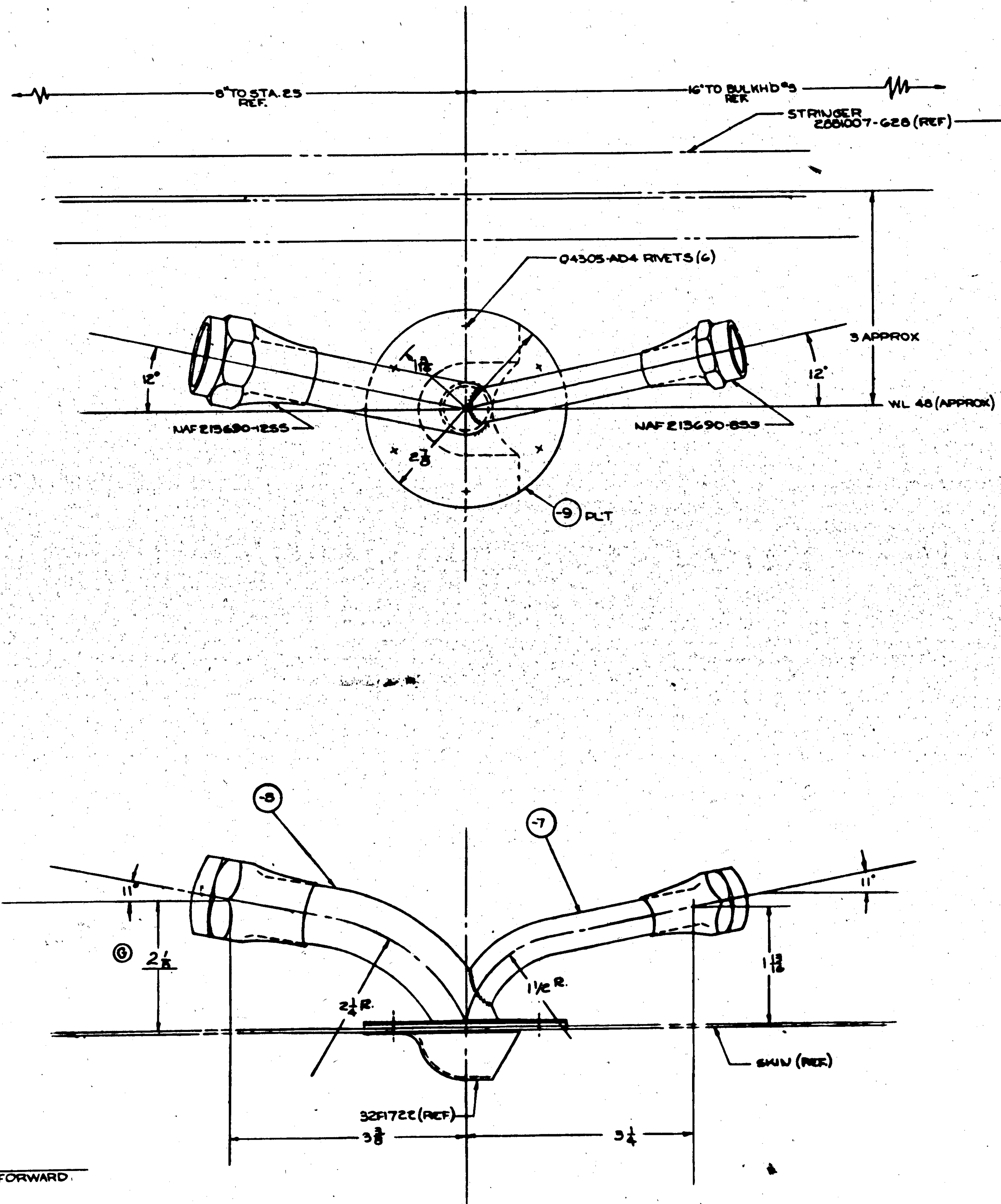
NAME INSTALL. — FURN'S — CAMERA VACUUM LINE PBY-5A MARINES

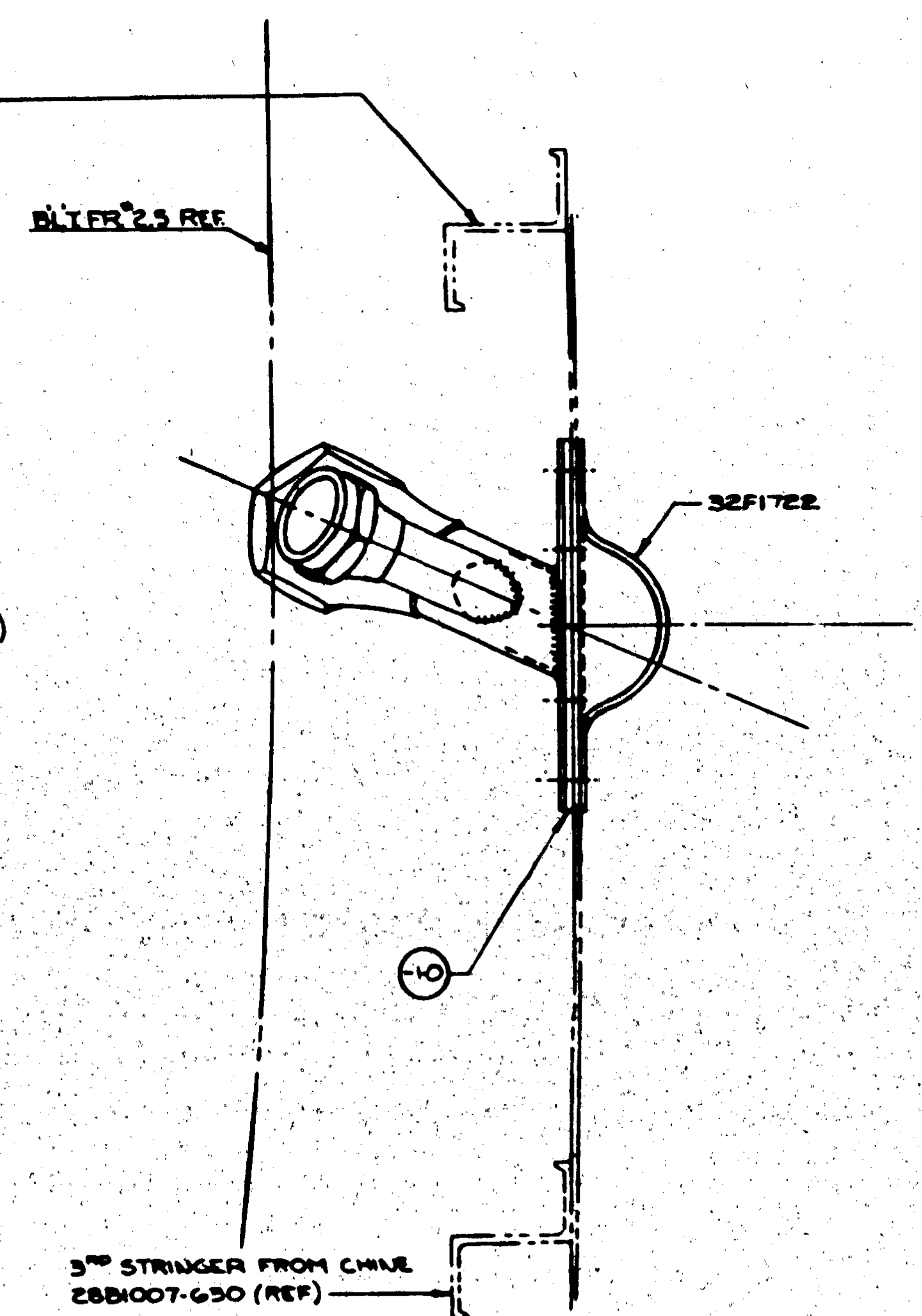
OPP HAND —

DWG SIZE G 28F6010

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
F	REDRAWN		
G	DIM. 2 1/8 WAS 1 7/8		
H	-10 SPEC. "COATED ASB." N-11 WAS "IMPREG. ASB. THEG..."		
J	CHG'D -10 MAT. FROM "NEOPRENE COATED ASB." TO NEOPRENE		
	WT. CHG. NEG.		





NOTE:
PASSIVATE OUTLET BEFORE ADDING FITTING

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5A	28F6169	1
-0	28-5AMC	28F6024	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6039 "D" 12/41 — .313 GAGE WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE [ ] SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
04305-AD4				6
32F1722				1
28F6039-10	1/16 x 2 7/8 x 2 7/8	NEOPRENE	N-11	1
NAF 213690-855				1
NAF 213690-1255				1
28F6039-9	.044 x 5 x 5	CORR RES STL	AN-QQ-S-757	1
-8	.035 x 1 1/4 OD x 5 1/2	CORR RES STL	44T27 GR A	1
-7	.035 x 1 1/2 OD x 5 1/2	CORR RES STL	44T27 GR A	1
28F6039-0	WELD ASSY			1

PARTS LIST PER ASSY.

A C		DATE 2-12-41	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY	NOTED							
HEAT TREAT	FINISH							

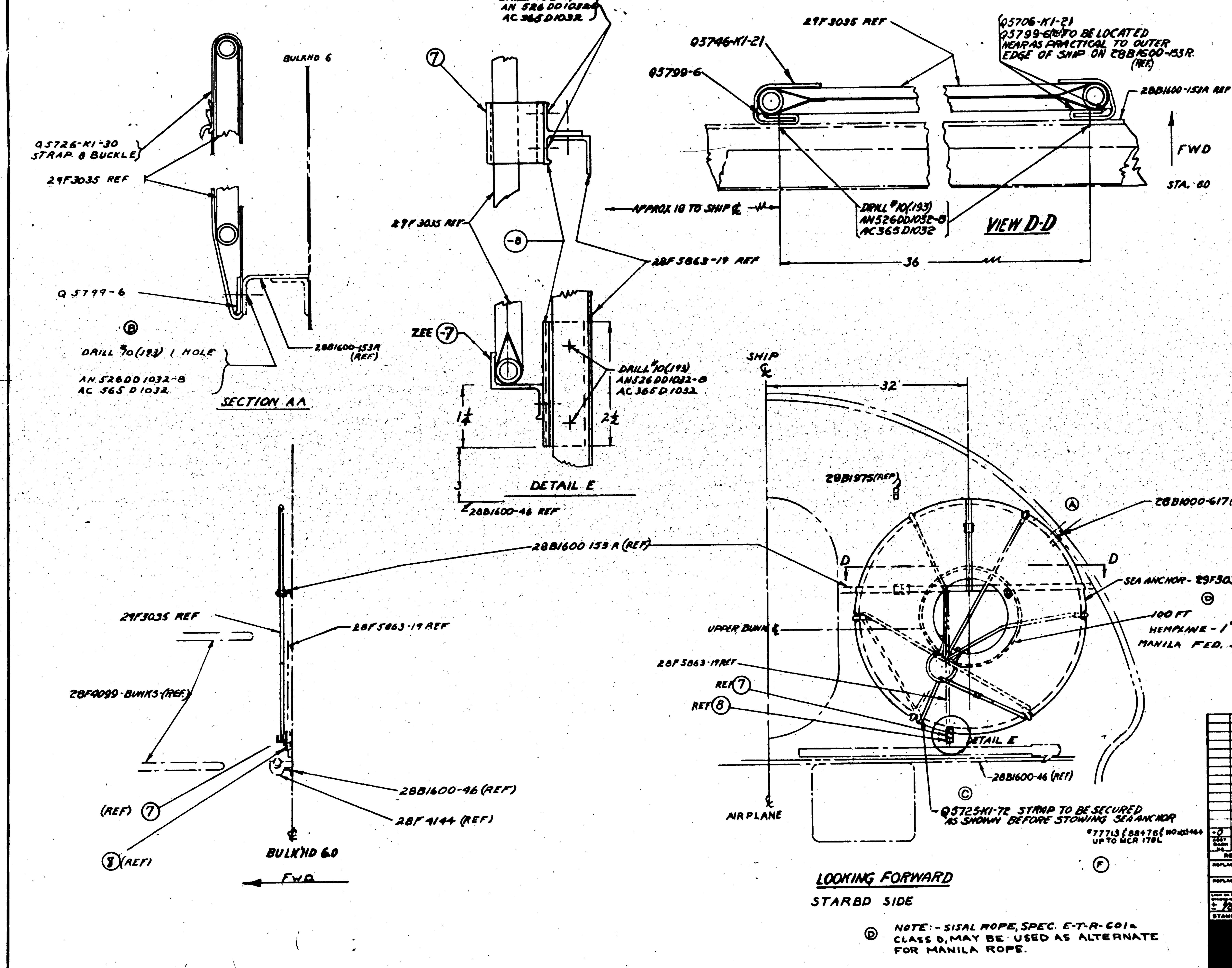
NAME INSTALL-FURNS-RIGHT HAND FWD. HEATER EXHAUST

OPP. HAND NONE

DWG. SIZE G — 28F6039

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 7-4-41



Ⓓ NOTE:- SISAL ROPE, SPEC. E-T-R-601a CLASS D, MAY BE USED AS ALTERNATE FOR MANILA ROPE.

LET	ALTERATION	DATE	BY
A	REMOVED SEC. B-B FROM PAGE ALSO -8 (1) AN526DD1032-8 (2) & AC365D1032 (1) FROM B/M.		
B	CHG'D: Q5799-6 WAS Q5799-10. NOTE "DRILL #10 (.193) 1 HOLE" WAS "DRILL #10(.193) 2 HOLES". REM. AN526DD1032-8 (1) & AC365D1032 (1)		
C	Q5725-K1-72 WAS Q5745-K1-72 NEG. WT. CHG.		
D	ADDED NOTE: "SISAL--ROPE" REMOVED "TARRED" FROM MANILA ROPE MAT.		
E	IN B/M FOR -7 REPLACED ... x 1¼ AL ALLOY 4689-T" WITH "Y-36-A21RTx1¼" WT. CHG. ...		
F	IN REQ. PER AIRPLANE LIMITED REQ. FOR C" NO.(S)464 UP TO MCR 178L WAS ALL. NO WT CHG.		

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC	REQ -0
100 FT	MANILA ROPE 1" CIRC.			
Q5799-6				3
29F3035	SEA ANCHOR			1
AC365D1032				7
AN526DD1032-8				7
Q5746-K1-21				1
Q5726-K1-30				1
Q5725-K1-72				1
Q5706-K1-21				1
-8	K 1908 #3½	AL. ALLOY	4689-T	1
-7	Y-36-A21RTx1¼			1

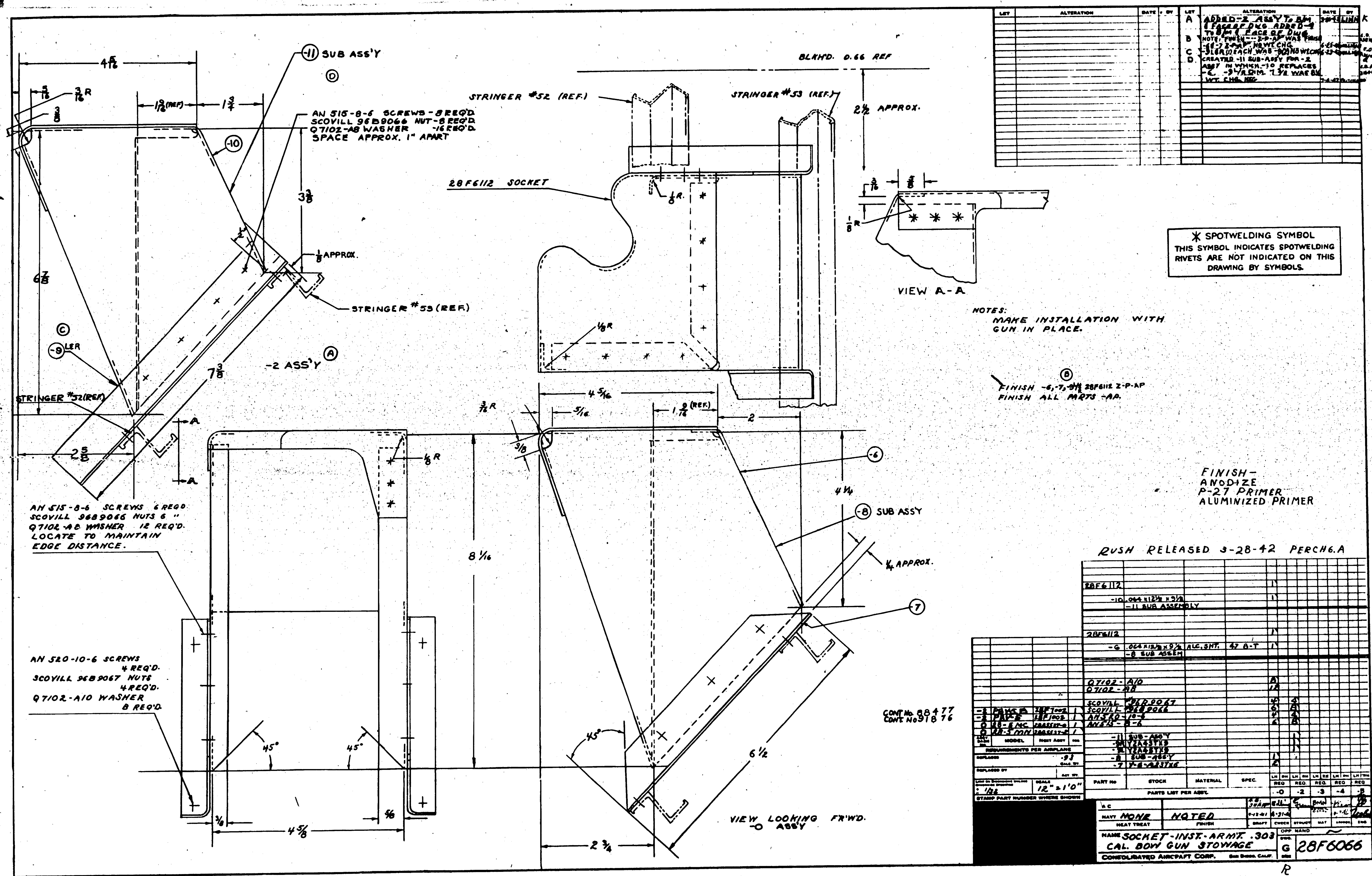
PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	No.
-0	PBY-5A	28F6002	1

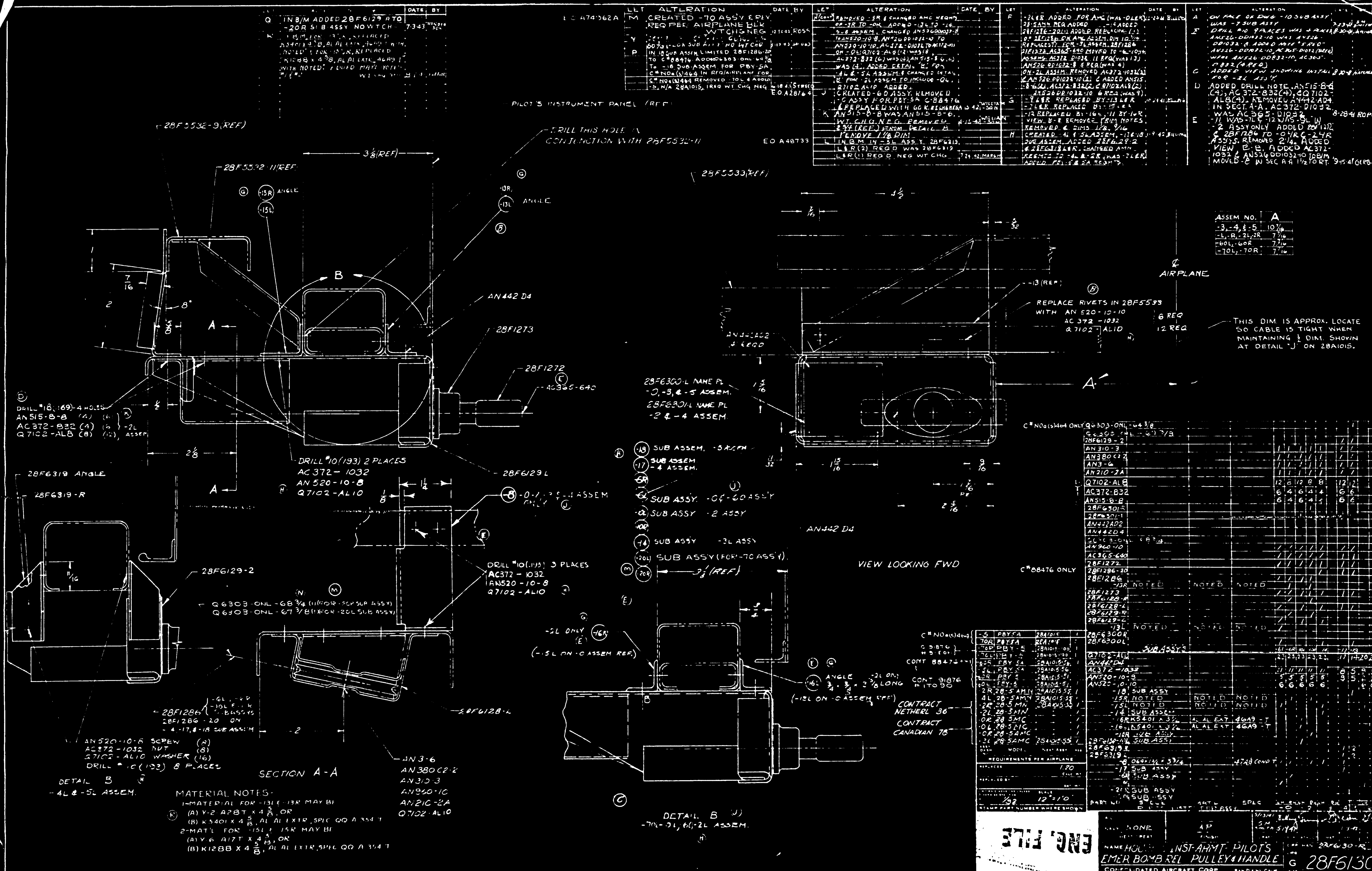
REQUIREMENTS PER AIRPLANE

REPLACES — 12½ CALC WT.
REPLACED BY — ACT WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 1½" = 1'-0", 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
Z-2P — FINISH
DRAFT / CHECK / STRUCT / MAT / APPROV. / ENG
OPP HAND
NAME STOWAGE-FURN.-SEA ANCHOR STA. 6.0
G 28F6053
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

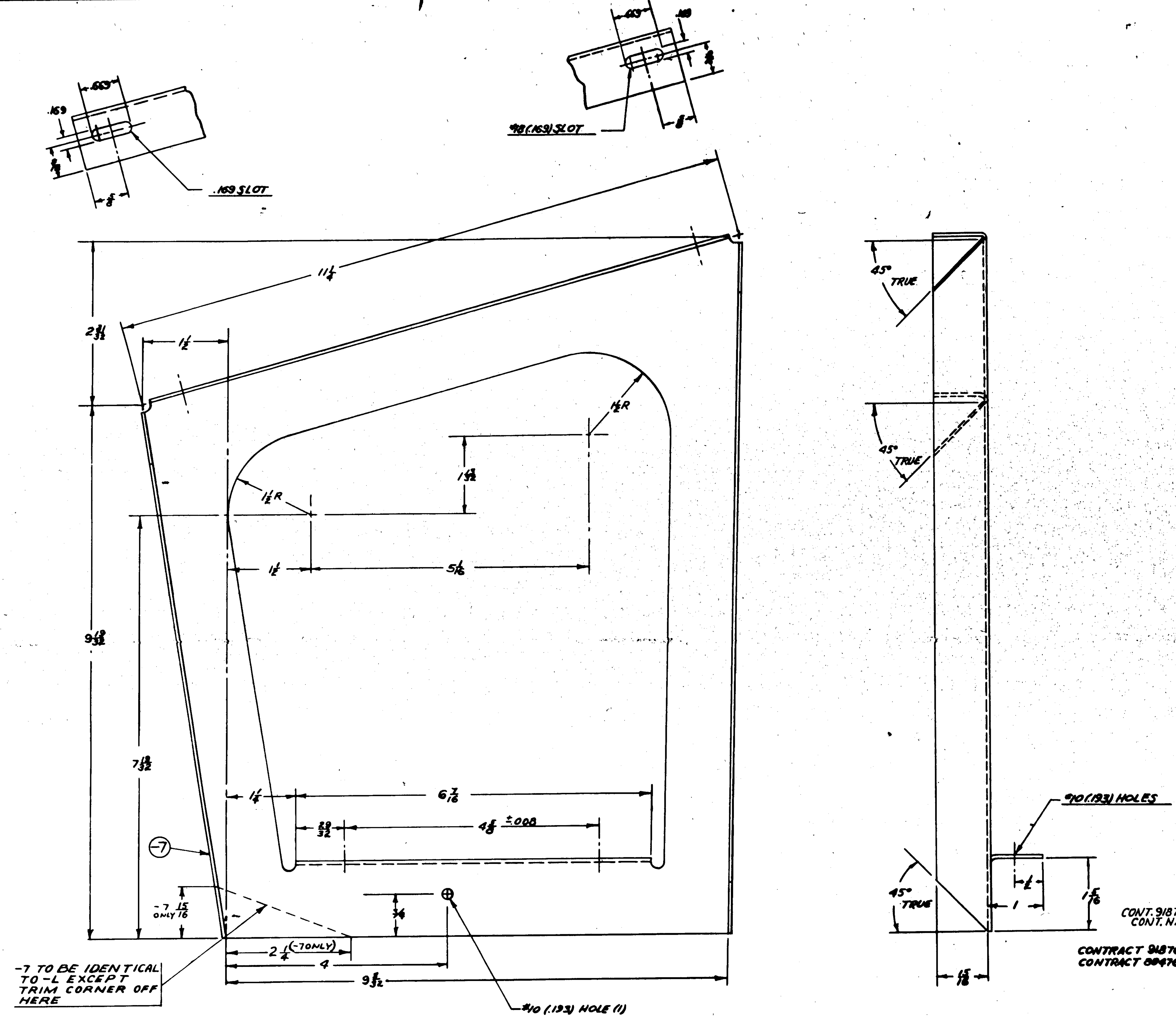


-11 SUB ASS'Y
AN 515-8-6 SCREWS - 8 REQ'D.
SCOVILL 96B9066 NUT - 8 REQ'D.
Q7102-A8 WASHER - 16 REQ'D.
SPACE APPROX. 1" APART
STRINGER #52 (REF.)
STRINGER #53 (REF.)
BLKH'D. 0.66 REF
2½ APPROX.
28F6112 SOCKET
VIEW A-A
SPOTWELDING SYMBOL
THIS SYMBOL INDICATES SPOTWELDING
RIVETS ARE NOT INDICATED ON THIS
DRAWING BY SYMBOLS.
STRINGER #53 (REF)
-2 ASS'Y
NOTES:
MAKE INSTALLATION WITH
GUN IN PLACE.
FINISH -6,-7,-9 & 28F6112 Z-P-AP
FINISH ALL PARTS -AP.
AN 515-8-6 SCREWS 6 REQ'D.
SCOVILL 96B9066 NUTS 6 "
Q7102-A8 WASHER 12 REQ'D.
LOCATE TO MAINTAIN
EDGE DISTANCE.
-8 SUB ASS'Y
¼ APPROX.
FINISH -
ANODIZE
P-27 PRIMER
ALUMINIZED PRIMER
RUSH RELEASED 3-28-42 PERCH6.A
AN 520-10-6 SCREWS
4 REQ'D.
SCOVILL 96B9067 NUTS
4 REQ'D.
Q7102-A10 WASHER
8 REQ'D.
VIEW LOOKING FR'WD.
-0 ASS'Y
CONT No. 88477
CONT No. 91876
ALTERATION
A ADDED -2 ASS'Y TO B/M & FACE OF DWG ADDED -9 TO B/M & FACE OF DWG
B NOTE, FINISH --- Z-P-AP WAS FINISH -6 & -7 Z-P-AP. NO WT. CHG.
C -9 LER (R) EACH WAS -9 (2) NO WT. CHG.
D CREATED -11 SUB-ASS'Y FOR -2 ASS'Y IN WHICH -10 REPLACES -6. -9 ¼ R DIM. 7 ⅜ WAS 8 ⅛ WT. CHG. NEG.
PART No
STOCK
MATERIAL
SPEC.
PARTS LIST PER ASS'Y.
REQUIREMENTS PER AIRPLANE
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN
NAVY NONE
HEAT TREAT
NOTED
FINISH
NAME SOCKET-INST.-ARM'T. .303 CAL. BOW GUN STOWAGE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
G 28F6066



PILOT'S INSTRUMENT PANEL (REF)
28F5532-9 (REF)
28F5532-11 (REF)
DRILL THIS HOLE IN CONJUNCTION WITH 28F5532-11
28F5533 (REF)
AN442 D4
28F1273
28F1272
AC365-640
28F6129 L
DRILL #10 (193) 2 PLACES
AC372-1032
AN520-10-8
Q7102-AL10
28F6319 ANGLE
28F6319-R
28F6129-2
DRILL #10 (193) 3 PLACES
SECTION A-A
DETAIL B
-4L & -5L ASSEM.
MATERIAL NOTES-
REPLACE RIVETS IN 28F5533 WITH AN 520-10-10, AC 372-1032, Q7102-AL10
6 REQ
12 REQ
THIS DIM. IS APPROX. LOCATE SO CABLE IS TIGHT WHEN MAINTAINING 1/2 DIM. SHOWN AT DETAIL "J" ON 28A1015.
AIRPLANE
VIEW LOOKING FWD
SUB ASSY
ENG. FILE
HOUS'G INST-ARMT PILOTS EMER BOMB REL PULLEY & HANDLE
CONSOLIDATED AIRCRAFT CORP.
28F6130

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	ON FACE OF DR'W'G & IN B/M CREATED -7 PART	3-5-42	[illegible]



Contract	ASSY DASH No	MODEL	NEXT ASSY	REQ.
CONT. 91876 (275 & ON)	-7	PBY-5	28F6163	1
CONT. NXS13595	-7	PBY-5A	28F6163	1
	R	PBY5	28F6163	1
	L	PBY5	28F6163	1
CONTRACT 91876 91 & ON	R	PBY5A	28F6163	1
CONTRACT 88476 53 & ON	L	PBY5A	28F6163	1

REQUIREMENTS PER AIRPLANE

REPLACES — .54 CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-7	.064 X 14 5/8 X 13 1/2	ALC. 24ST	[illegible]
	.064 X 14 5/8 X 13 1/2	ALC. 24ST	[illegible]

PARTS LIST PER ASSY.

-0	-2	-3	-4	-5
LH RH REQ	LH RH REQ	LH RH REQ	LH RH REQ	LH RH REQ

A C		KRAUSE	Simms	Simons			J.C.K.
NAVY	Z-P-GP	8-7-42			[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME BRACKET-FURNS.-GLIDE PATH RECEIVER SUPPORT

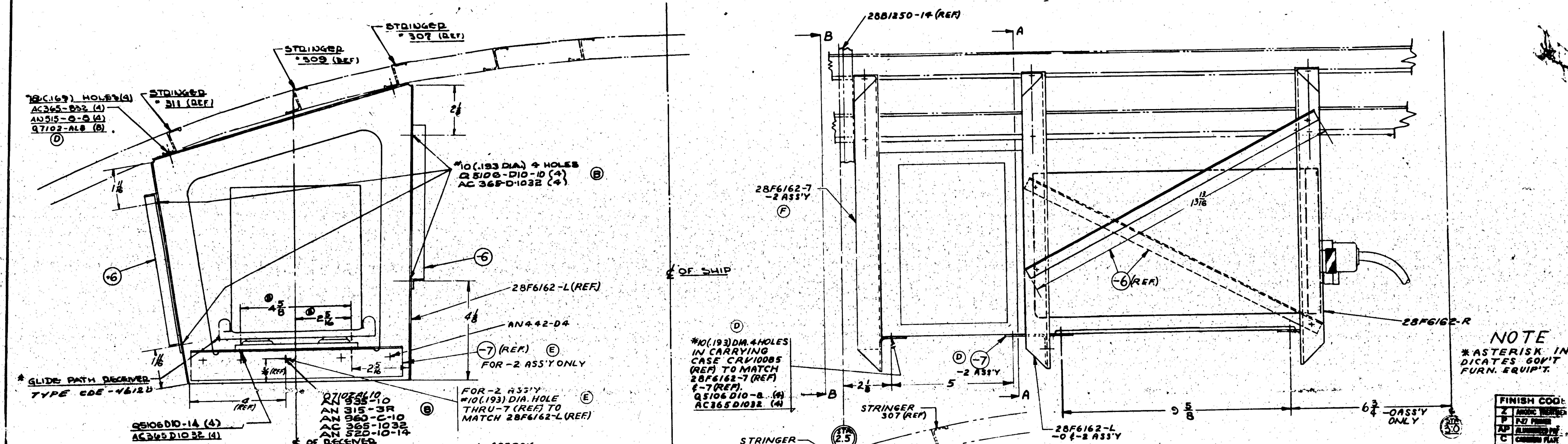
OPP HAND 28F6162 R

DWG. SIZE G — 28F6162

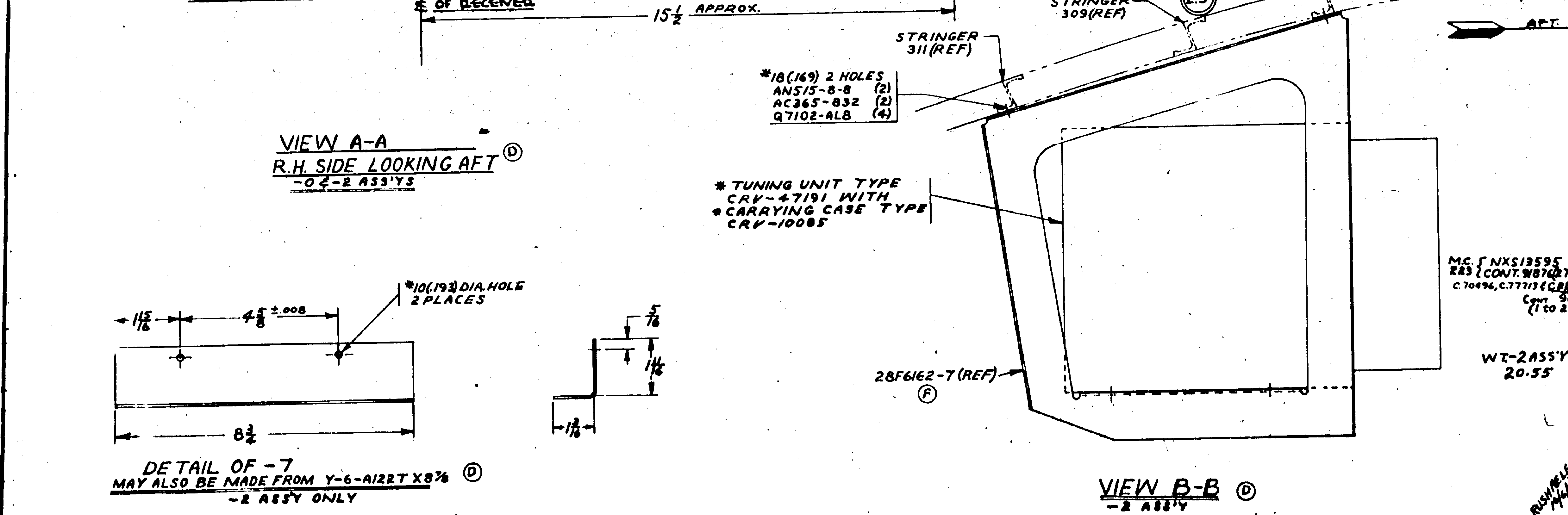
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	REMOVED 28F6162, -6, -7, FROM DRW'G & B/M. ADDED G.P. RECEIVER BRACKET GOVERNMENT FURN. & Q5106D10-14 [illegible]	[illegible]	[illegible]
B	ADDED (5) #10 (.193 DIA) HOLES. ADDED Q5106D10-10 AC365-D1032 Q7102-AL10, AN935-10, AN315-3R AN960-C-10, AC365-1032, AN520-10-14. REMOVED AN442AD4 FROM FACE & B/M. ADDED TO FACE OF DWG 2⅝, 3⅞, 4⅝, 4⅝ & 1¼ & 1¼ DIA.	[illegible]	[illegible]
C	REMOVED FROM FACE OF DWG. & B/M GOV'T FURNISHED G.P. RECEIVER BRACKET. REPLACED IT WITH 28F6162L & R. ADDED -6 (2) CHANGED 1¼ GRD. STUD LOCATING DIM. TO 4 (REF) & ¾ (REF.) REMOVED #10 (.193)	[illegible]	[illegible]
D	ON FACE OF DR'W'G CH'GED "VIEW LOOKING AFT R.H. SIDE" TO "VIEW A-A R.H. SIDE LOOKING AFT". ON FACE OF DR'W'G & IN B/M CH'GED AN515-8-8 TO AN515-8-8 AND AC365-832 TO AC365-832. ADDED TO FACE & B/M Q7102-AL8 (8) REQ. ON FACE OF DR'W'G & B/M CREATED -2 ASS'Y. ADDED TO FACE DETAIL -7 & VIEW B-B. CHANGED TITLE FROM "INST.-FURN-GLIDE PATH RECEIVER SUPPORT" TO "INST.-FURNS-GLIDE PATH RECEIVER & ATB TUNING UNIT-SUP'T."	2-8-43	[illegible]
E	REMOVED -7 & PERTAINING NOTES FROM VIEW B-B AND ADDED SAME TO VIEW A-A	2-20-43	[illegible]
F	ON FACE OF DW'G CH'GED FW'D 28F6162-L TO 28F6162-7. IN B/M IN -2 ASS'Y CH'GED 28F6162-L (2) REQ TO 28F6162-L (1) REQ ADDED IN -2 ASS'Y 28F6162-7 (1) REQ.	3-6-43	[illegible]



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED P27
C	CADMIUM PLATE



M.C. { NXS13595 CONT. 91876 (275 to) C.70496, C.77713 & C.88976 Cont 91876 (1 to 274)

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5A	28F6002	1
-2	PBY-5	28F1002	1
-0	PBY 5A	28F6002	1
-0	PBY 5	28F1002	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.
AN442-D4					
* CARRYING CASE TYPE CRV-10085					1
* ATB TUNING UNIT TYPE CRV-47191					1
* GLIDE PATH RECEIVER TYPE CDE 46120				1	1
Q7102-AL8				8	12
Q7102-AL10				1	1
Q5106-D10-10				4	4
AN960-C-10				1	1
AN935-10				1	1
AN520-10-14				1	1
AN315-3R				1	1
AC365-1032				1	1
Q5106D10-8					4
Q5106D10-14				4	4
AN515-8-8				4	6
AC365D1032				8	12
AC365-832				4	6
28F6162-7					1
28F6162-R				1	1
28F6162-L				1	1
-7	.064X3X8¾	ALCLAD	[illegible]		1
-6	Y-2-A [illegible]			2	2

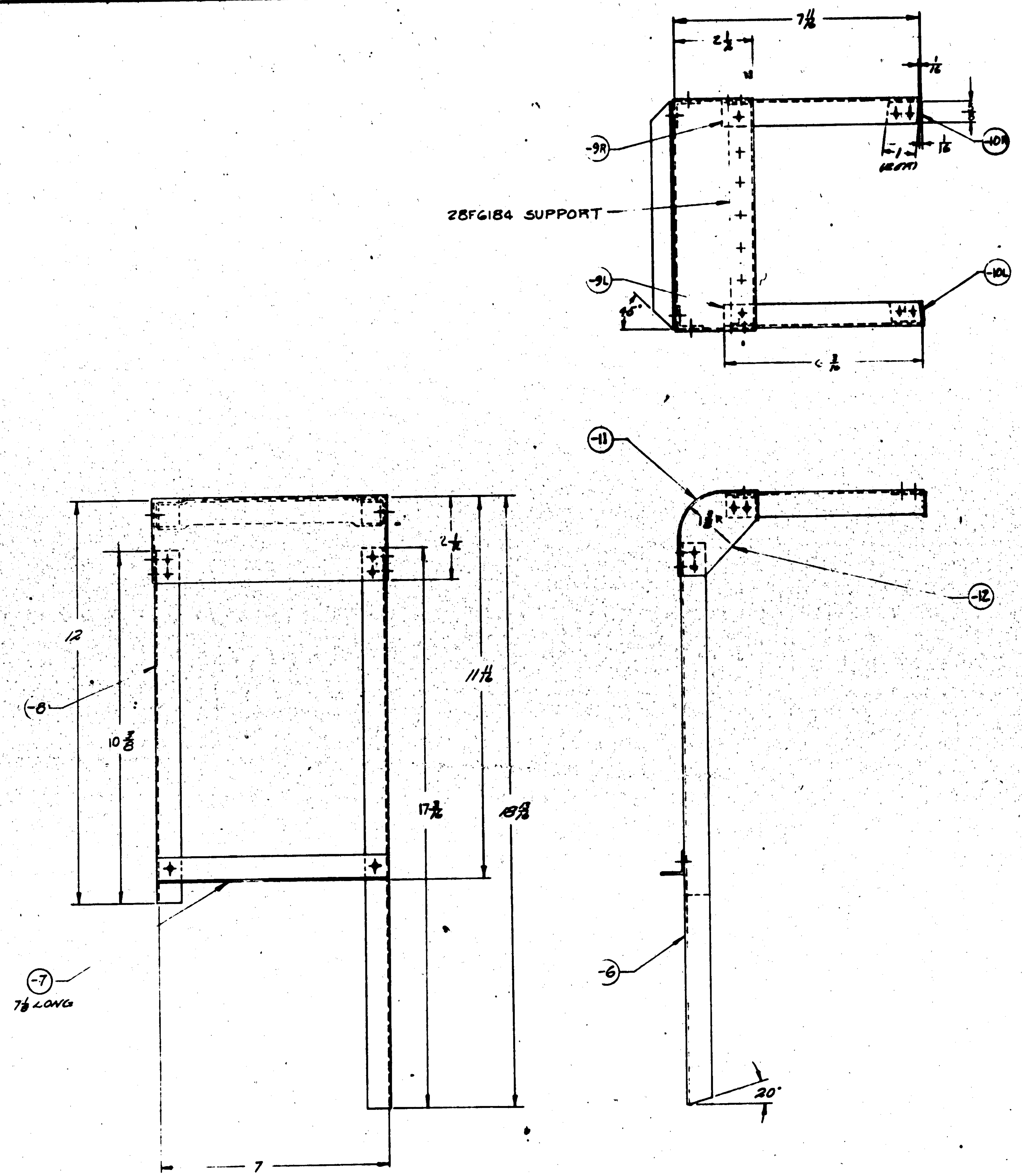
PARTS LIST PER ASSY.

SCALE 6" = 1'-0" — FINISH: Z-PAP — HEAT TREAT: — — DATE 9-29-42

NAME INST.-FURNS-GLIDE PATH R'C'V'R & ATB TUNING UNIT-SUP'T

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6163



LTR	ALTERATION	DATE	BY
A	ON -11 4315-T WAS 4318-4 NO WT. CHG.		

THIS DWG. HAS BEEN PRE-RELEASED. To Misc. Parts Shop

THIS PART ALREADY COMPLETE FOR CONTRACTS NOTED

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONT. #21876

RIVETS (SIZE INDICATED AT INTERVALS BY THE FOLLOWING MARKINGS): 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 3/32

MODEL	NEXT ASSY.	NO.
PBY-5	28F6172	1
PBY5A	28F6178	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN442AD5				
AN442AD4				
28F6184				1
28F6177-12	.062x2 [illegible] x2 [illegible]	24ST ALC. SH'T	47A[illegible]-T	2
-11	.062x5x7 [illegible]	24ST ALC. SH'T	47A[illegible]-T	1
-10R	K1288x [illegible]	24ST AL. ALLOY	46A9-T	1
-10L	K1288x [illegible]	24ST AL. ALLOY	46A9-T	1
-9R	K5401x6 [illegible]	24ST AL. ALLOY	46A9-T	1
-9L	K5401x6 [illegible]	24ST AL. ALLOY	46A9-T	1
-8	K5401x10 [illegible]	24ST AL. ALLOY	46A9-T	1
-7	K5401x7 1/4	24ST AL. ALLOY	46A9-T	1
28F6177-6	K5401x17 [illegible]	24ST AL. ALLOY	46A9-T	1

PARTS LIST PER ASSY.

REPLACES — .82 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

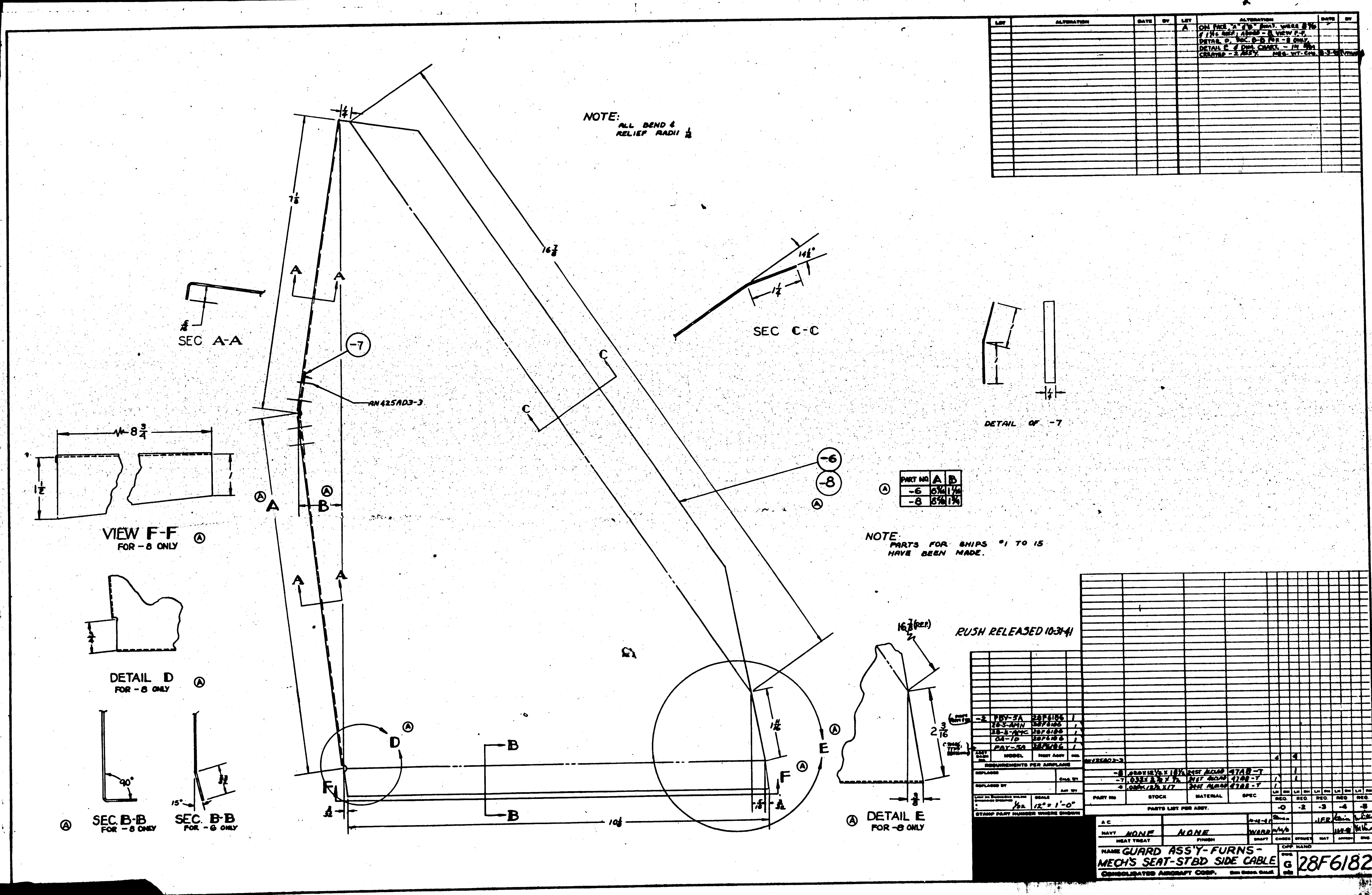
STAMP PART NUMBER WHERE SHOWN

AC — NAVY — HEAT TREAT: 24ST — FINISH: ZP-AP — DRAFT: 10-21-41

NAME: GUARD ASSEM. - FURN'S - WAIST GUNNER HEATER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6177

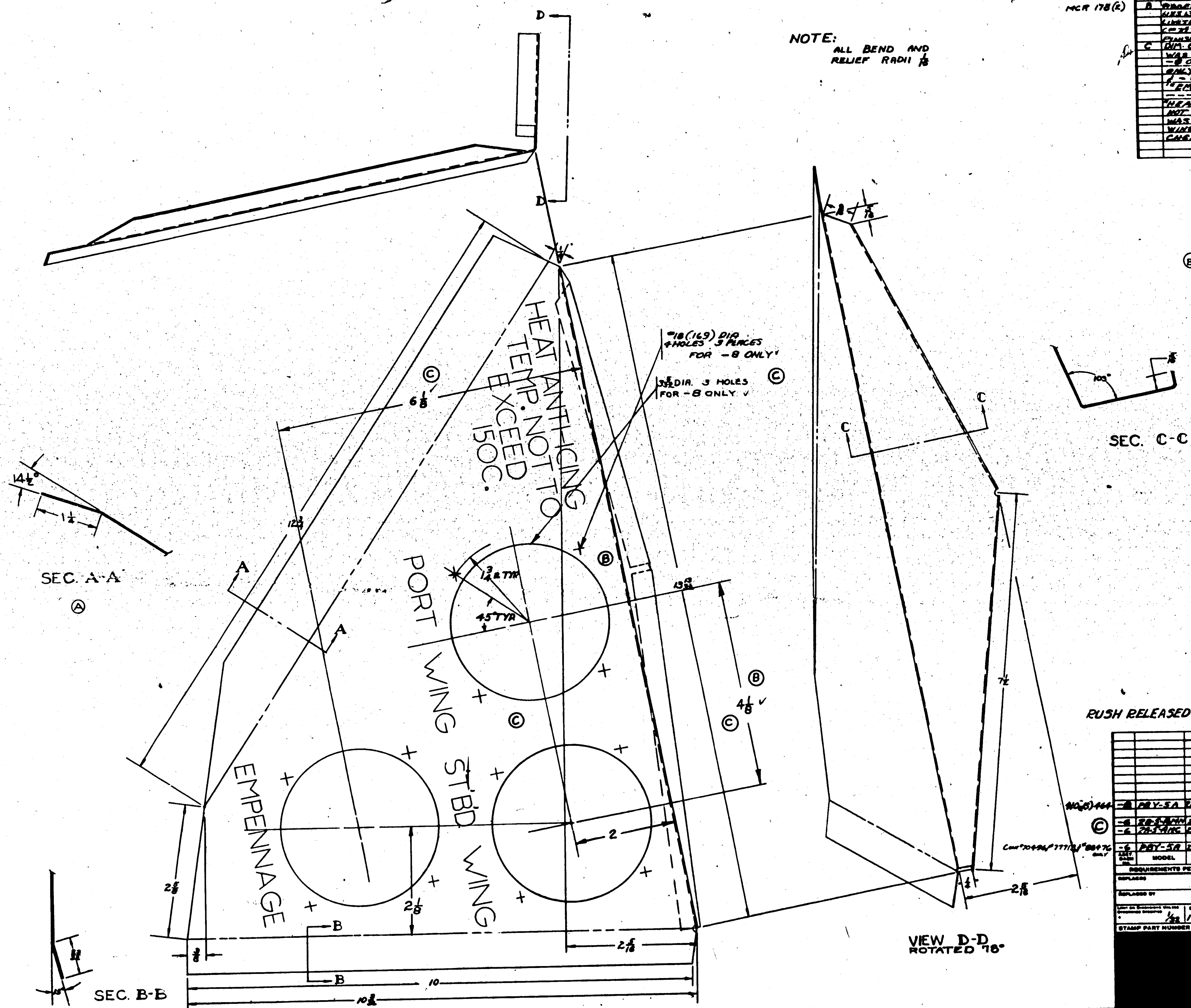

NOTE:
ALL BEND & RELIEF RADII 1/16
SEC A-A
SEC C-C
DETAIL OF -7
AN425AD3-3
VIEW F-F
FOR -8 ONLY
DETAIL D
FOR -8 ONLY
SEC. B-B
FOR -8 ONLY
SEC. B-B
FOR -6 ONLY
DETAIL E
FOR -8 ONLY
NOTE:
PARTS FOR SHIPS #1 TO 15 HAVE BEEN MADE.
RUSH RELEASED 10-31-41
PART NO A B
-6 6 3/16 1 1/16
-8 6 5/8 1 3/4
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
PART NO STOCK MATERIAL SPEC
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN
NAVY NONE
HEAT TREAT
NONE
FINISH
NAME GUARD ASS'Y-FURNS-MECH'S SEAT-STBD SIDE CABLE
CONSOLIDATED AIRCRAFT CORP.
G 28F6182

LET	ALTERATION	DATE	BY
A	AT SECTION "A-A" REVERSED DIRECTION OF BEND. (No WT. CH'G.)	[illegible]	[illegible]
B	ADDED [illegible] FOR PBY-5A [illegible] [illegible] NEXT ASSY. [illegible] LIMITED -6 TO C-70496 [illegible] C-77713 [illegible] FINISH Z-P-GP WT. CHG. [illegible]	[illegible]	[illegible]
C	DIM. 6 1/8 WAS 4 1/2. 4 1/8 WAS 6 1/16. NOTES "FOR -8 ONLY" WERE "FOR -7 ONLY". REMOVED DIM. 4 5/8. -8 WAS -7 IN B/M. [illegible] "EMPENNAGE" WAS "EMP." --- EXCEED 150°C." "HEAT ANTI-ICING TEMP. NOT TO EXCEED 150°C." WAS "HEAT ANTI-ICING WING --- 150°C." NO WT. CHG.	[illegible]	[illegible]

E.O. [illegible]

MCR 178(2)

NOTE:
ALL BEND AND RELIEF RADII 1/8



Ⓑ NOTE FOR -8
STENCIL - RED LETTERS 3/8" HIGH

NOTE:
PART FOR SHIPS #1 TO 15 HAVE BEEN MADE.

RUSH RELEASED 10-31-41

AMT. DASH No.	MODEL	NEXT ASSY.	REQ.
-8	PBY-5A	28F6186	1
-6	28-5AMN	[illegible]	1
-6	28-5AMC	[illegible]	1
-6	PBY-5A	28F6186	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC
-8	[illegible] X 13 1/2 X 13 1/2	24ST ALC.	47AB-T
-6	[illegible] X 13 1/2 X 13 1/2	24ST ALCLAD	47AB-T

PARTS LIST PER ASSY.

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
Z-P-GP — FINISH
DRAFT / CHECK / STRUCT / MAT / [illegible] / [illegible]
JFR

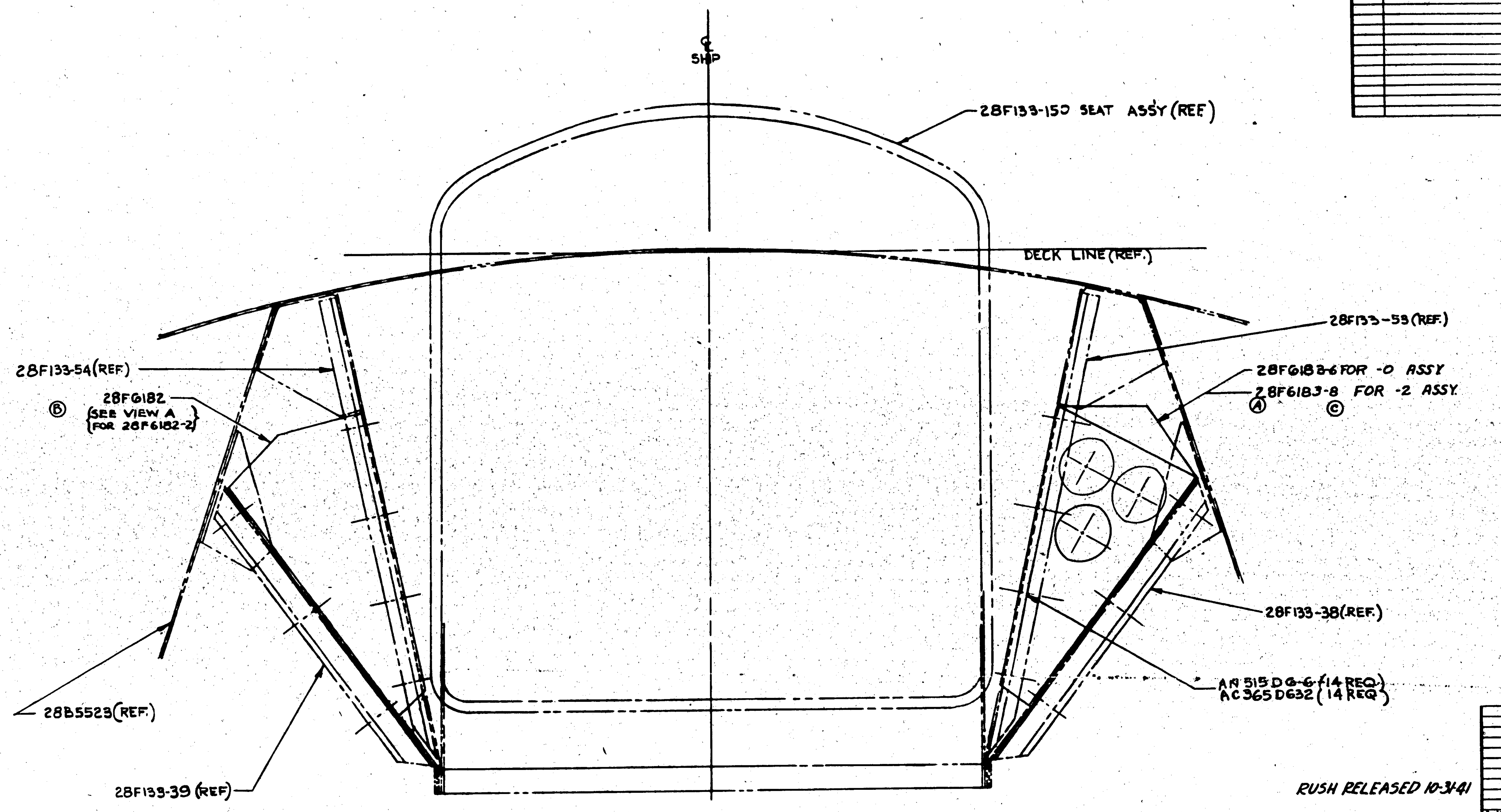
OPP. HAND

NAME GUARD - FURNS - MECH'S SEAT - PORT SIDE CABLE

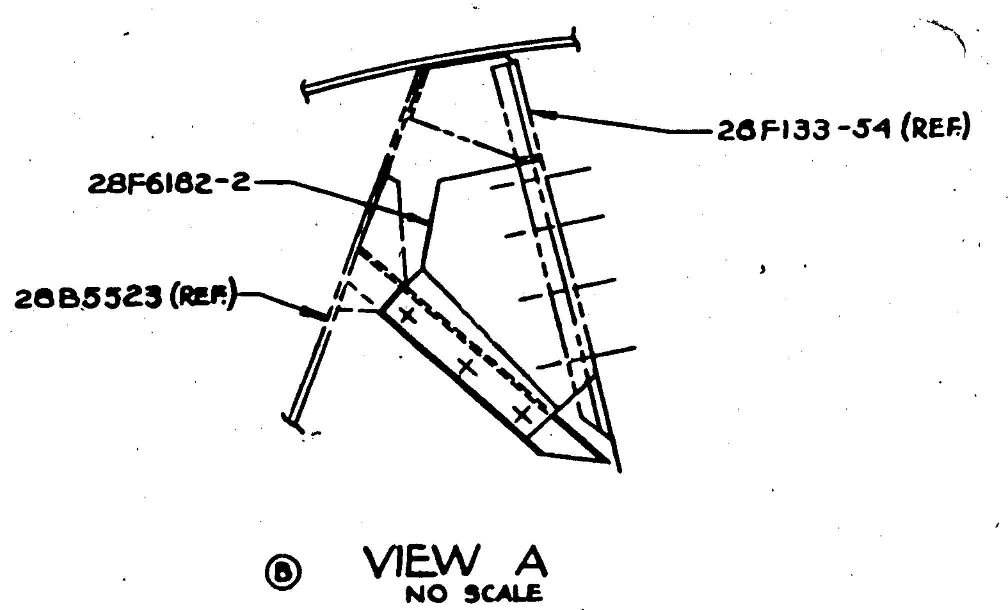
G 28F6183

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A MCR 12-13	CREATED -2 ASSY FOR PBY-5A C# [illegible] NEXT ASSY REQ [illegible] (2) SAME AS -0 ASSY EXCEPT THAT 28F6183-8 REPLACES 28F6183-6 [illegible] WT. CHG. [illegible]	[illegible]	[illegible]
B	ON FACE, ADDED NOTE "SEE VIEW A" FOR 28F6182-2" & ADDED VIEW "A": IN B/M ADDED 28F6182-2 TO -2 ASS'Y. & REMOVED 28F6182 FROM -2 ASS'Y. NEG. WT. CHG.	[illegible]	[illegible]
C	ON FACE & IN B/M REMOVED 28F6183-7 FOR -2 ASSY. REPLACED WITH 28F6183-8. NO WT. CHG.	[illegible]	[illegible]
D	Revised for CB 040638		



VIEW LOOKING AFT.



Ⓑ VIEW A
NO SCALE

RUSH RELEASED 10-31-41

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-2	PBY-5A	28C5564	1
	PBY-5A	28C5564	1
	28-5AMN	28C5750	1
	OA-10	28C5100	1
	28-5AMC	28C5750	1
	PBY-5A	28C5700	1

REQUIREMENTS PER AIRPLANE

MCR 178 (2) C# NO(5)464 C# 88476 ONLY

C# 70496 & C# 77713

REPLACES — CALC WT.
REPLACED BY — ACT WT.
SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN515DG-6				14	14			
AC365D632				14	14			
28F6183-8					1			
28F6182-2					1			
28F6183-6				1				
28F6182				1				

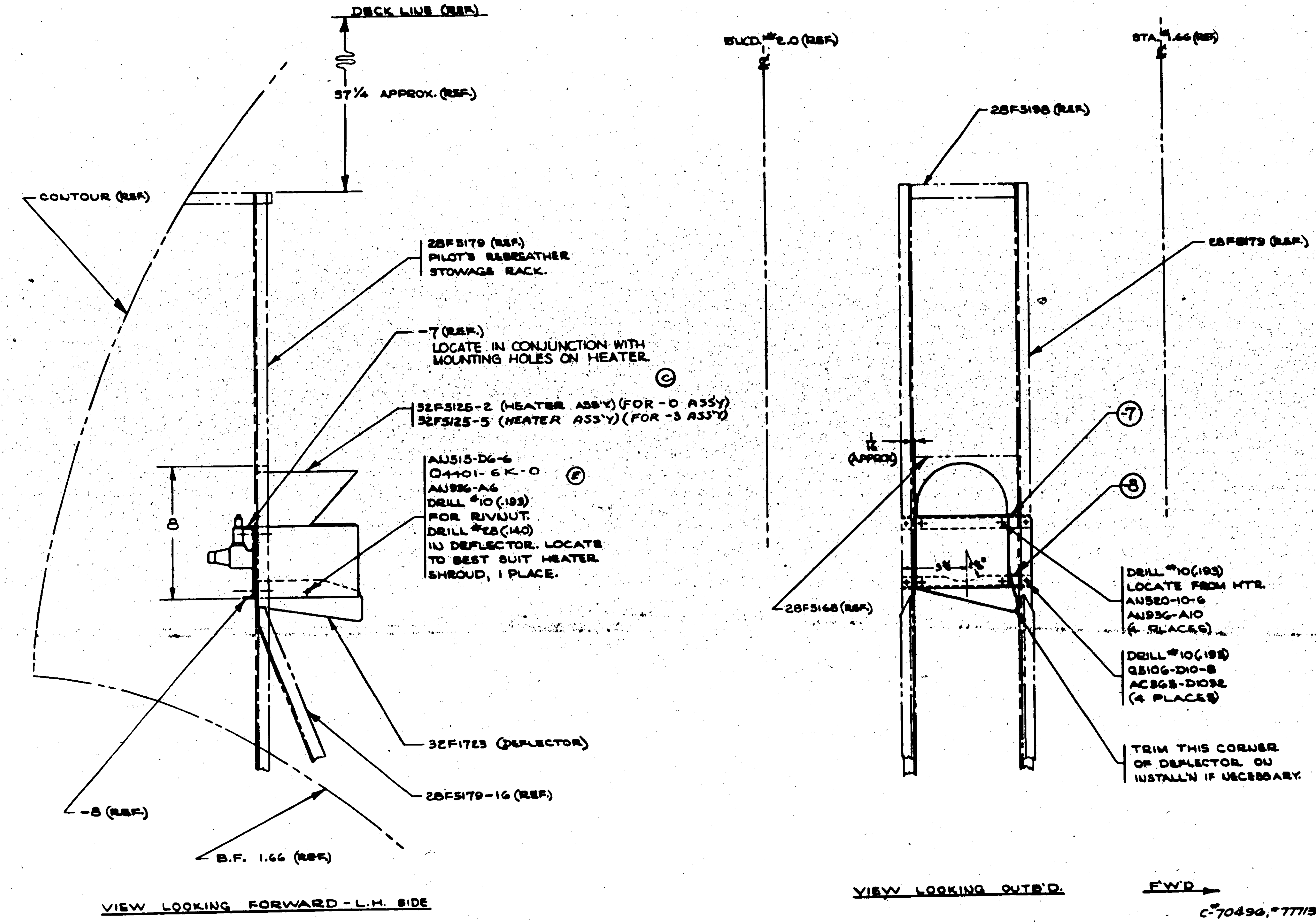
PARTS LIST PER ASSY.

A C
NAVY NONE
HEAT TREAT — FINISH
DRAFT: [illegible] 10-29-41 — CHECK: 10-30-41 — STRUCT — MAT: J.E.R. — APPROV — ENG
OPP. HAND NONE

NAME GUARD ASS'Y FURN. MECH'S SEAT — CABLE

DWG. SIZE G 28F6186

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



NOTES:

1. TRIM EACH END OF -7 & -8 FLANGE 45°
2. THIS DRAWING MADE FROM E.O. A17626 "B" PARTS FOR ALL PBY-5A'S THRU #52 OF C-88476 & PBY-5'S THRU #90 OF C-91876 WERE MADE UP FROM THE E.O.

LET	ALTERATION	DATE	BY
A	REMOVED -2 ASS'Y [illegible]	[illegible]	
B	ADDED NOTE: THIS DWG. [illegible] --- FROM THE E.A. [illegible]	[illegible]	
C	CREATED -5 ASS'Y. NEG. WT. CHG.	[illegible]	
D	[illegible]	[illegible]	
E	Q4401-6K-0 (1) WAS B-109-6K-45 (1). NO WT. CHG.	[illegible]	

Z	ANODIC TREATMENT		
P	P-27 PRIMER		
AP	ALUMINIZED PRIMER		
C	CADMIUM PLATE		

Part No	Stock	Material	Spec	-0	-2	-3	-4	-5
Q4401-6K-0	RIVNUT			1		1		
Q5106-D10-8				4		4		
AN936-A6				1		1		
AN520-10-6				4		4		
AN515-D6-6				1		1		
AN936-A10				4		4		
AC365-D1032				4		4		
32F5125-5						1		
32F5125-2				1		—		
32F1723				1		1		
-8	K5401 x 8	AL. AL. EXT.	46A9C-T	1		1		
-7	K5401 x 8	AL. AL. EXT.	46A9C-T	1		1		

PARTS LIST PER ASSY.

		Model	Next Assy.	No.
C-88476-SHIP #53 ON	-3	PBY-5A	28F6169	1
C-70496, #77131 & 88476-SHIP #1-52	-0	PBY-5A	28F6169	1
SHIP #1-90 C-#91876	-0	PBY-5	28F5341	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6173

SCALE 3" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT

ZP-AP — FINISH

NAME INSTALL'N. - HYD'S. - PILOT'S HEATER

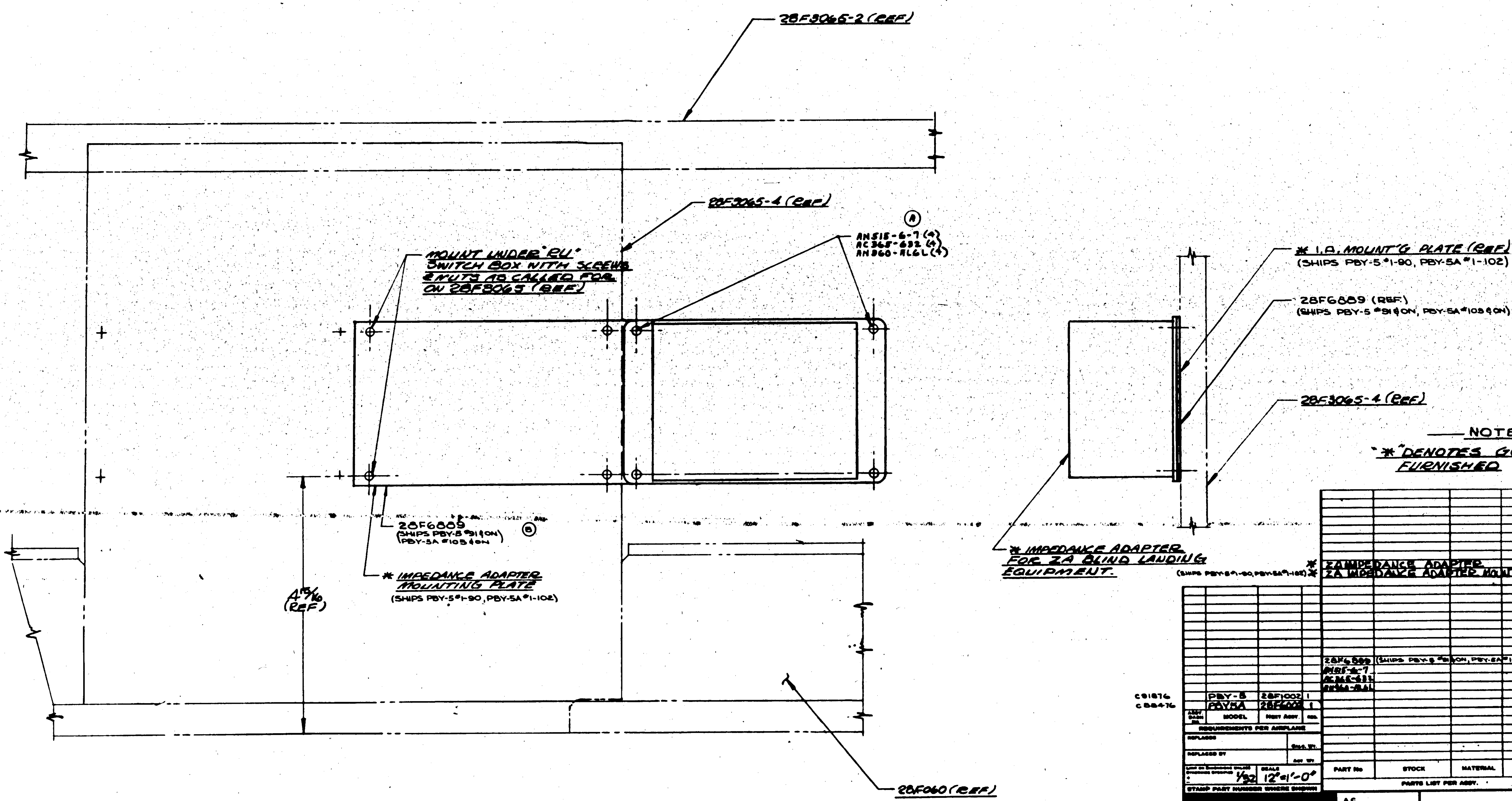
CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

OPP. HAND NONE

G 28F6197

LET	ALTERATION	DATE	BY
A	ADDED AN515-6-7(4), AC365-632 (4), & AN960-RL6L(4) TO REPLACE AN515-8R-7(4) & AC365R8032 (4) (NO WT. CHG)		
B	28F6889 FOR SHIPS PBY-5 #91 & ON (PBY-5A #105 & ON) WAS IMPEDANCE ADAPTOR MT'G PLATE. REV. PARTS/ASSY. NO WT. CHG.		

E.O. 834530 · E.O.A86286



NOTE

"*" DENOTES GOVERNMENT FURNISHED

PART No	STOCK	MATERIAL	SPEC.	-0	-2	-3	-4	-5
*	ZA IMPEDANCE ADAPTER			1				
*	ZA IMPEDANCE ADAPTER MOUNT'G PLATE (SHIPS PBY-5 #1-90, PBY-5A #1-102)			1				
28F6889	(SHIPS PBY-5 #91 & ON, PBY-5A #105 & ON)			1				
AN515-6-7				4				
AC365-632				4				
AN960-RL6L				4				

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	REQ.
C81876	PBY-5	28F1002	1
C88476	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES · REPLACED BY · CALC. WT. · ACT. WT.

SCALE 1/32 · 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

S.O. 953-7 · 88476
S.O. 961-632 · 77713
S.O. 936-34-2 · 70496

A C

NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT · CHECK · STRUCT. · MAT. · APPROV. · ENG.

11-24-41

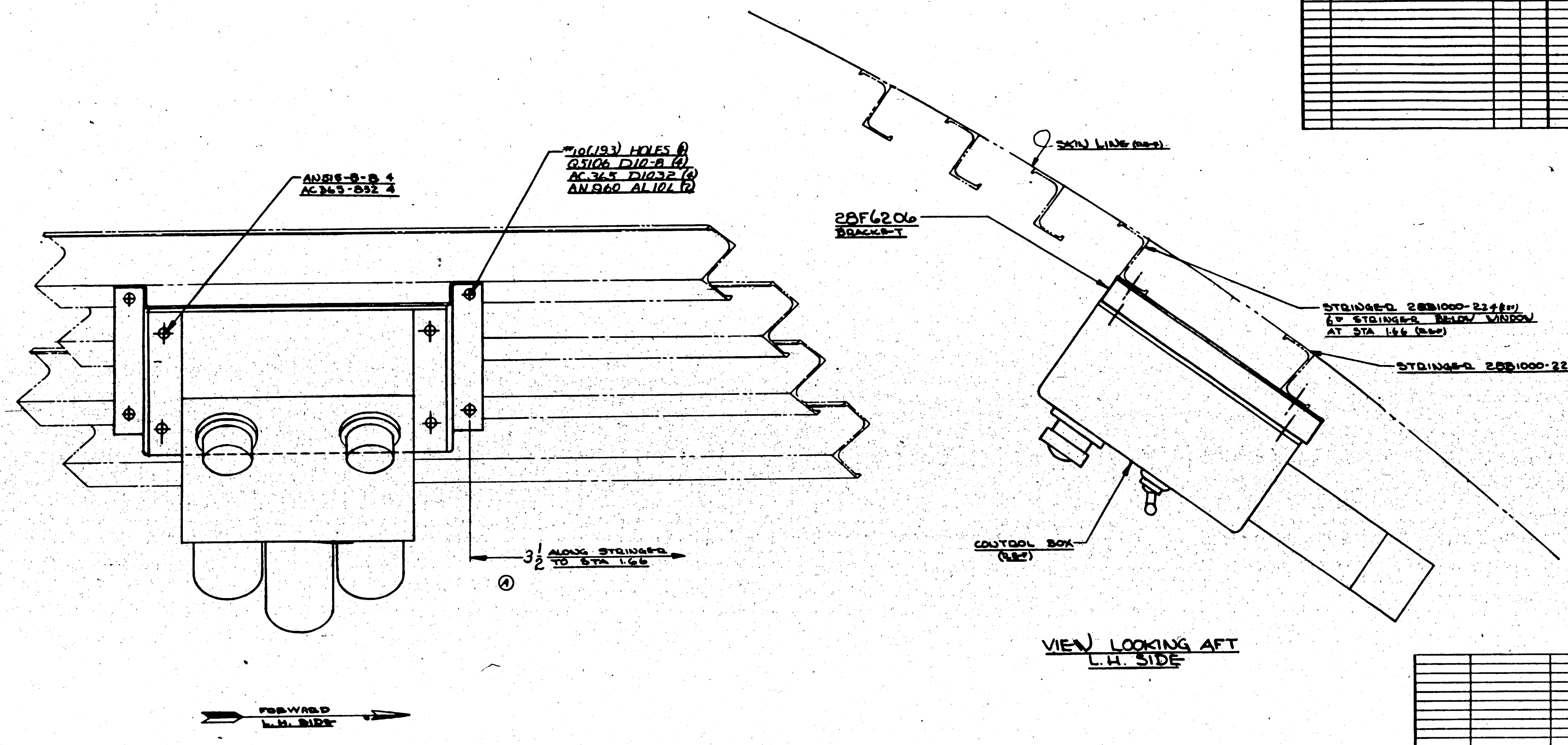
OPP. HAND NONE

NAME INSTALL-FURN'S-ZA IMPEDANCE ADAPT'R & MTG PLATE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG SIZE G · 28F6199

R



VIEW LOOKING AFT
L.H. SIDE

LTR	ALTERATION	DATE	BY
A	3½ WAS 3⅝. NO WT. CHG.		

S.O. 936-97-1
C# 70496
C# 91876
33 SHIPS C# 70496
C# 77713
C# 88476

MODEL	NEXT ASSY	REQ.
PBY-5	28F1002	1
PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

PART No	REQ -0
AC365-832	4
AN515-8-8	4
AC365 D1032	4
AN960 AL10L	2
QS106 D10-B	4
28F6206	1

PARTS LIST PER ASSY.

SCALE 12" = 1'-0"

NOTE
1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT #88476 & #91876
2. ON CONTRACT # 70491 (33 AIRPLANES) & #77713 PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTALLATION.

RUSH RELEASED 1/29/42

NAVY NONE — HEAT TREAT
NONE — FINISH

NAME INSTALLATION - FURNS - ABA CONTROL BOX BRKT.

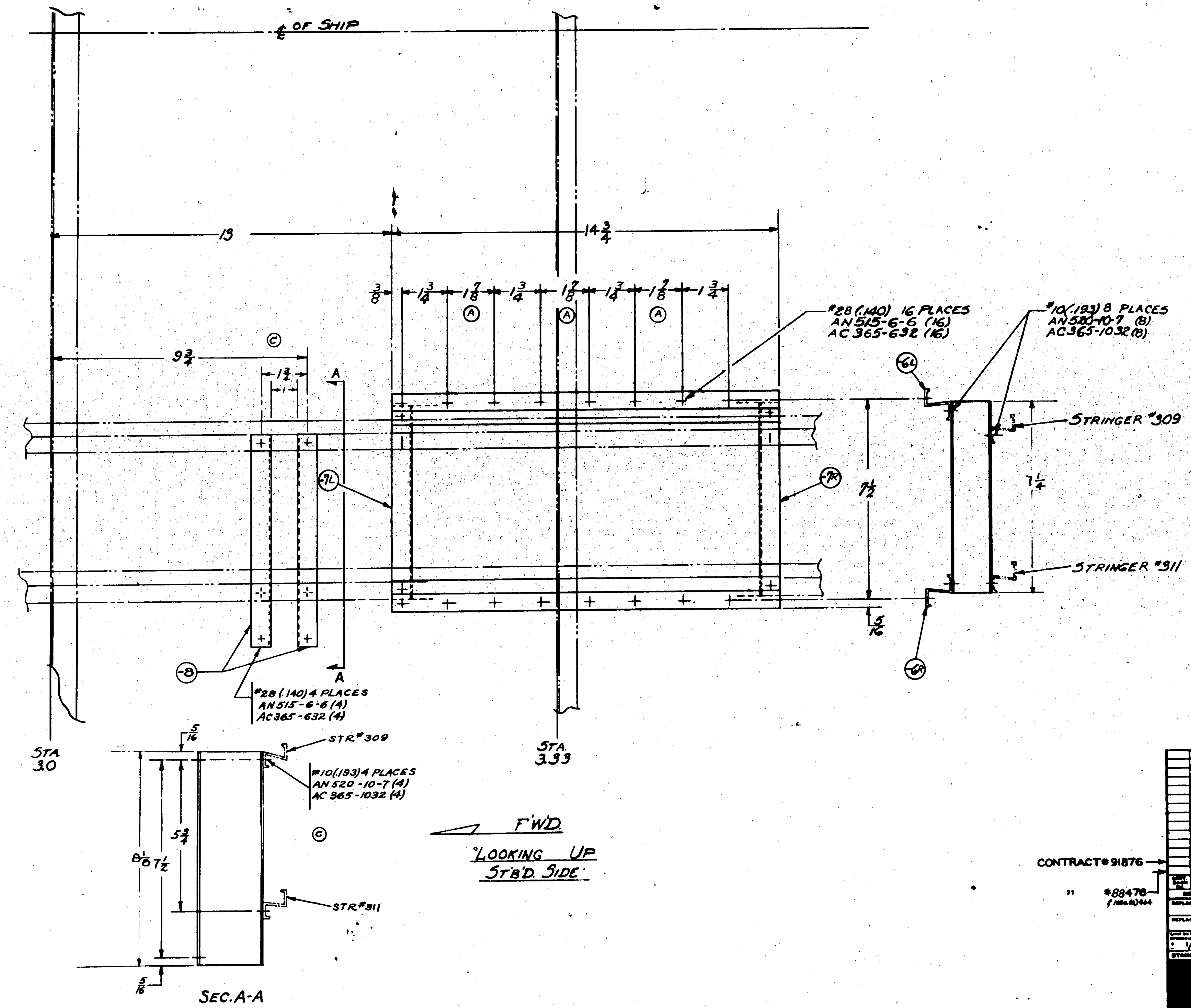
OPP HAND NONE

G 28F6205

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

R

LET	ALTERATION	DATE	BY
	RELOCATED BRACKET FORMERLY FORWARD OF STA. 30 AT STRINGERS #315 & #316 - REMOVED VIEW A-A REMOVED AN520A-? & 28FS105-? -7 FROM B/M ADDED -7 - Y10A69T x 7¼ DIMENSION 1⅞ WAS 1 13/16		
A	ADDED REQUIREMENTS FOR PBY-5, ADDED CONTRACT NOTE		
C	ADDED -8(2). AN520-10-7(9) WAS (5). AN515-6-6(20) WAS (16). AC365-1032(9) WAS (5). AC365-632(20) WAS (16) & SEC. A-A. WT. .86 WAS .56.	10-17-42	
D	IN B/M, FOR -6L & -6R, REPLACED "K5048 x 14⅞, AL. AL. 24ST, ATA10 COND. T" WITH "Y-37-AB F T x 14⅞" W.Z. SEQ. NEG.		



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
AN520-10-7				9
AN515-6-6				20
AC365-1032				9
AC365-632				20
-8	Y-10A110T x 8⅝			2
-7R	Y10A69T x 7¼			1
-7L	Y10A69T x 7¼			1
-6R	Y-37-AB F T x 14⅞			1
-6L	Y-37-AB F T x 14⅞			1

PARTS LIST PER ASSY.

CONTRACT #91876 → PBY-5 | 28F1002 | 1

" #88476 → PBY-5A | 28F6002 | 1

MODEL | NEXT ASSY | NO.

REQUIREMENTS PER AIRPLANE

REPLACES — .86 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

AC — NAVY NOTED — HEAT TREAT

ZPAP — FINISH

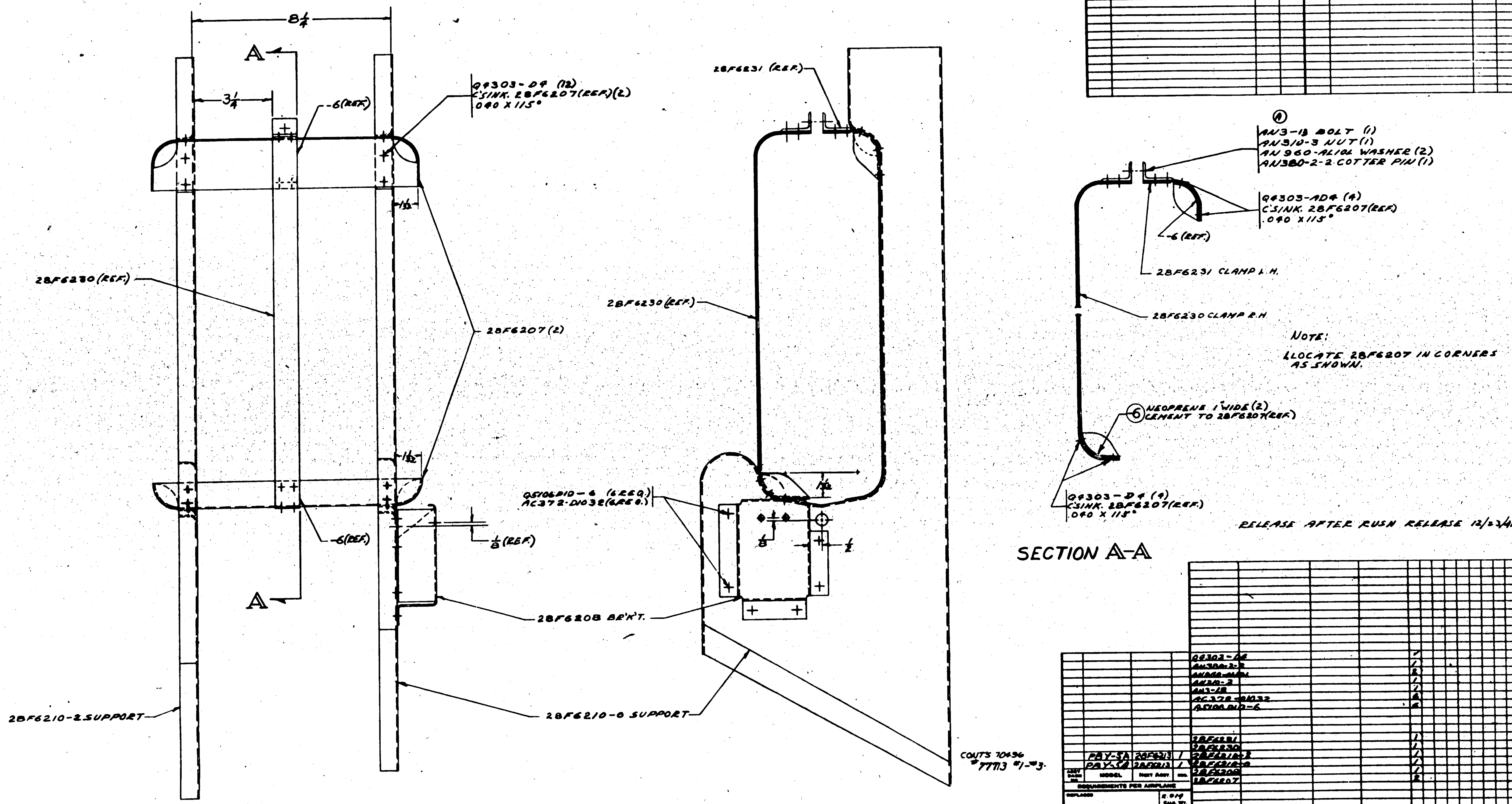
DRAFT 12-10-41 — CHECK — STRUCT JFR — MAT KLEIN 1-1-42 — APPROV JCH — ENG

OPP. HAND NONE

NAME INSTALLATION - FURN. - BRKT. - RADIO COIL BOXES

DWG. SIZE G — 28F6209

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY
A	[illegible]		

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6213	1
	PBY-5A	28F6213	1

REQUIREMENTS PER AIRPLANE

REPLACES — 2.019 CALC. WT.

REPLACED BY — ACT. WT.

SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
Q4303-D4				1
AN380-2-2				1
AN960-AL10L				2
AN310-3				1
AN3-13				1
AC372-D1032				6
Q5106D10-6				6
28F6231				1
28F6230				1
28F6210-2				1
28F6210-0				1
28F6208				1
28F6207				2
-6	1/16 x 1 1/8 x 2 3/16	NEOPRENE	COMM.	2

PARTS LIST PER ASSY.

AC —

NAVY NONE HEAT TREAT — NONE FINISH

DRAFT / CHECK / STRUCT. / MAT. / APPROV. / ENG.

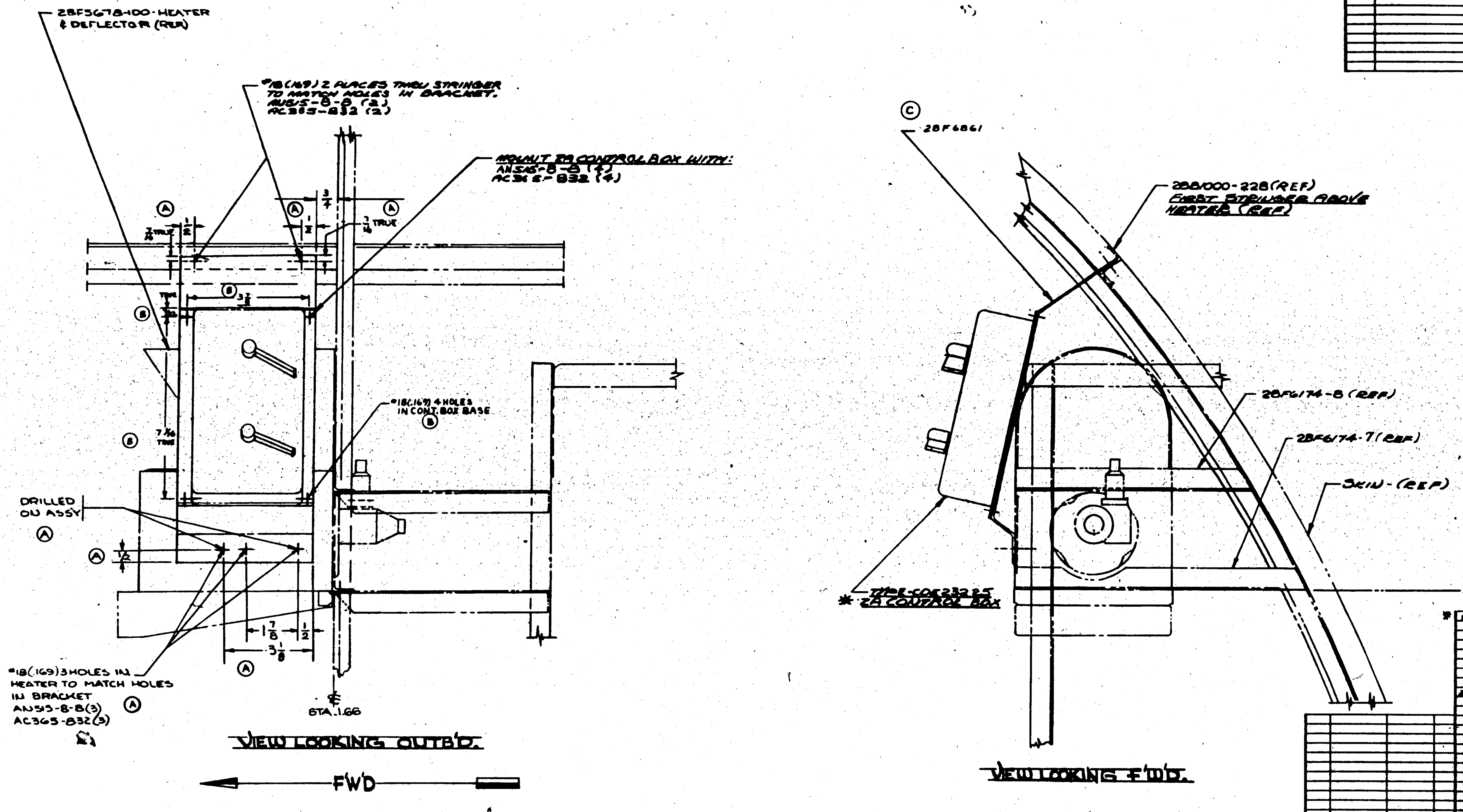
NAME BRKT. ASSY.-FURN.-WINDSHIELD ALCOHOL PUMP & TANK

OFF. HAND NONE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6211

R



C-91876

Model	Next Assy	Part No	Req.
PBY-5	28F1002 /	AC365-832	9
PBY 5-A	28F6001 /	AN515-8-8	9

Part No	Stock	Material	Spec.	-0	-2	-3	-4	-5
* C0E23225 - ZA CONTROL BOX				1				
28F6861								

SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

NAVY: NONE — HEAT TREAT.: NONE — FINISH

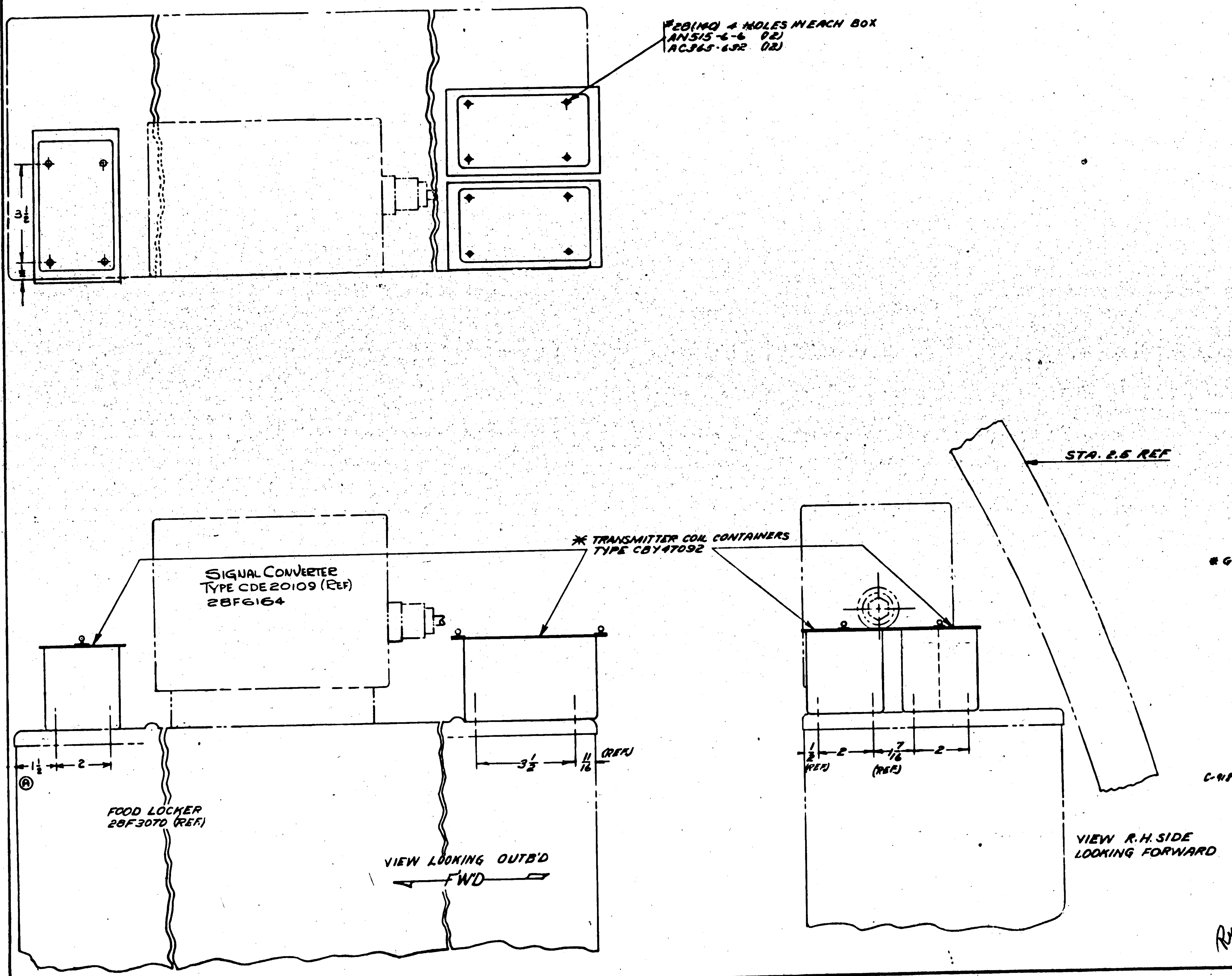
DRAFT: 12-11-41 RWS — CHECK — STRUCT: WEB — MAT.: KLEIN — ENG.: JWS

NAME: INSTALL.: FURN'S-PILOT'S ZA CONTROL BOX.

OPP. HAND: NONE

G 28F6212

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



✱ GOV'T. FURN. EQUIP

C-91876 ONLY →

ASSY. DASH NO.	MODEL	NEXT ASSY.	NO.
-0	PBY-5	28F1102	1
-0	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — .87 CALC. WT.

REPLACED BY — ACT. WT.

SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AC365-632				12
AN515-6-6				12
✱ TRANS. COIL CONT. CBY47092				4

PARTS LIST PER ASSY.

HEAT TREAT: NAVY NONE — FINISH: NONE

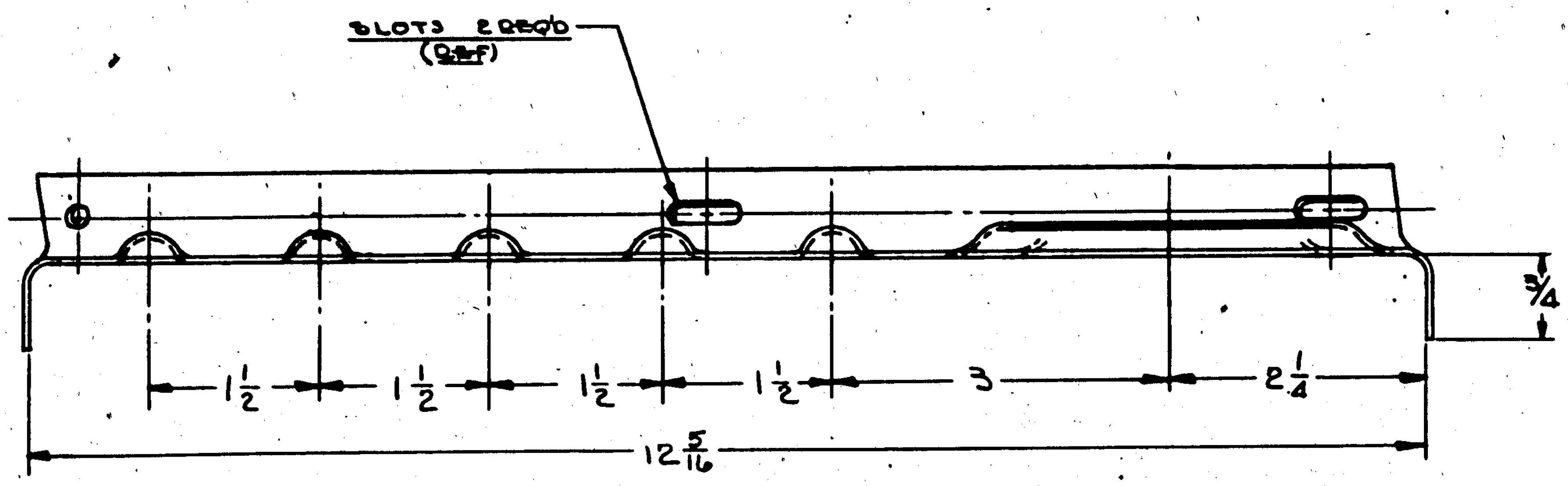
OPP. HAND NONE

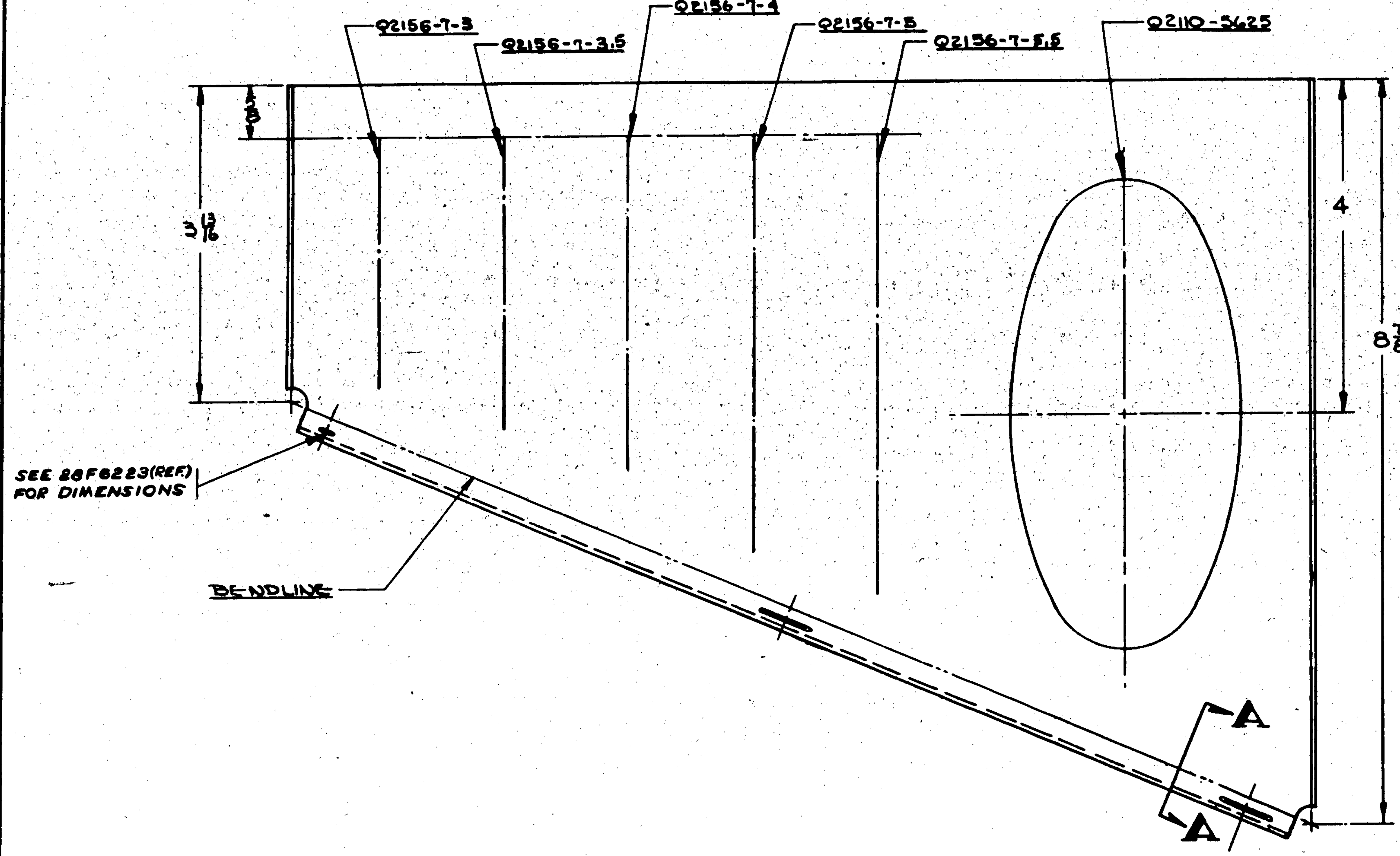
NAME INSTALL-FURN-SPARE TRANSMITTER COILS

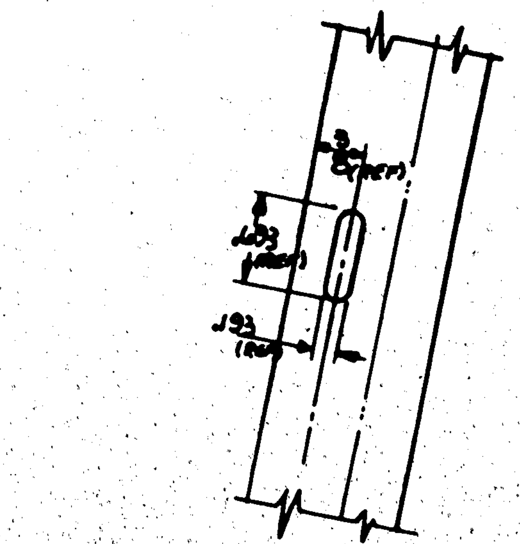
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

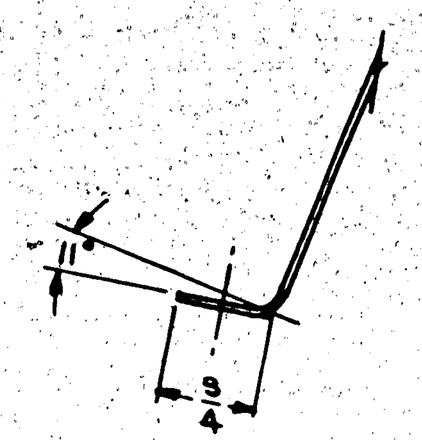
G 28F6214

R









SECTION-A-A

NOTES:—
ALL BEND & RELIEF RADII 3/16 UNLESS OTHERWISE NOTED

FINISH CO[DE]	
Z	ANODIC TREATM.
P	P-27 PRIMER
AP	ALUMINUM PIGM.
C	CADMIUM PLATE

CONTRACT # 91876
" " # 70486
" " # 77713
" " # 88476
TO BE INSTAL. BY THE NAVY ON DELIVERED SHIPS—

	MODEL	NEXT ASSY.	NO.
	PBY-5	28F6222	1
	PB2Y-3A	28F6222	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
SCALE: 12" = 1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.051 x 14 1/2 x 10	ALC 24 SO	47A8-A					

PARTS LIST PER ASSY.

A C
NAVY SR-55 — HEAT TREAT
Z-P-AP — FINISH
DRAFT: 12-15-41
OPP. HAND: NONE

NAME BRACKET - FURNS. - A & A TRANS. & REC. SUPPORT — FWD

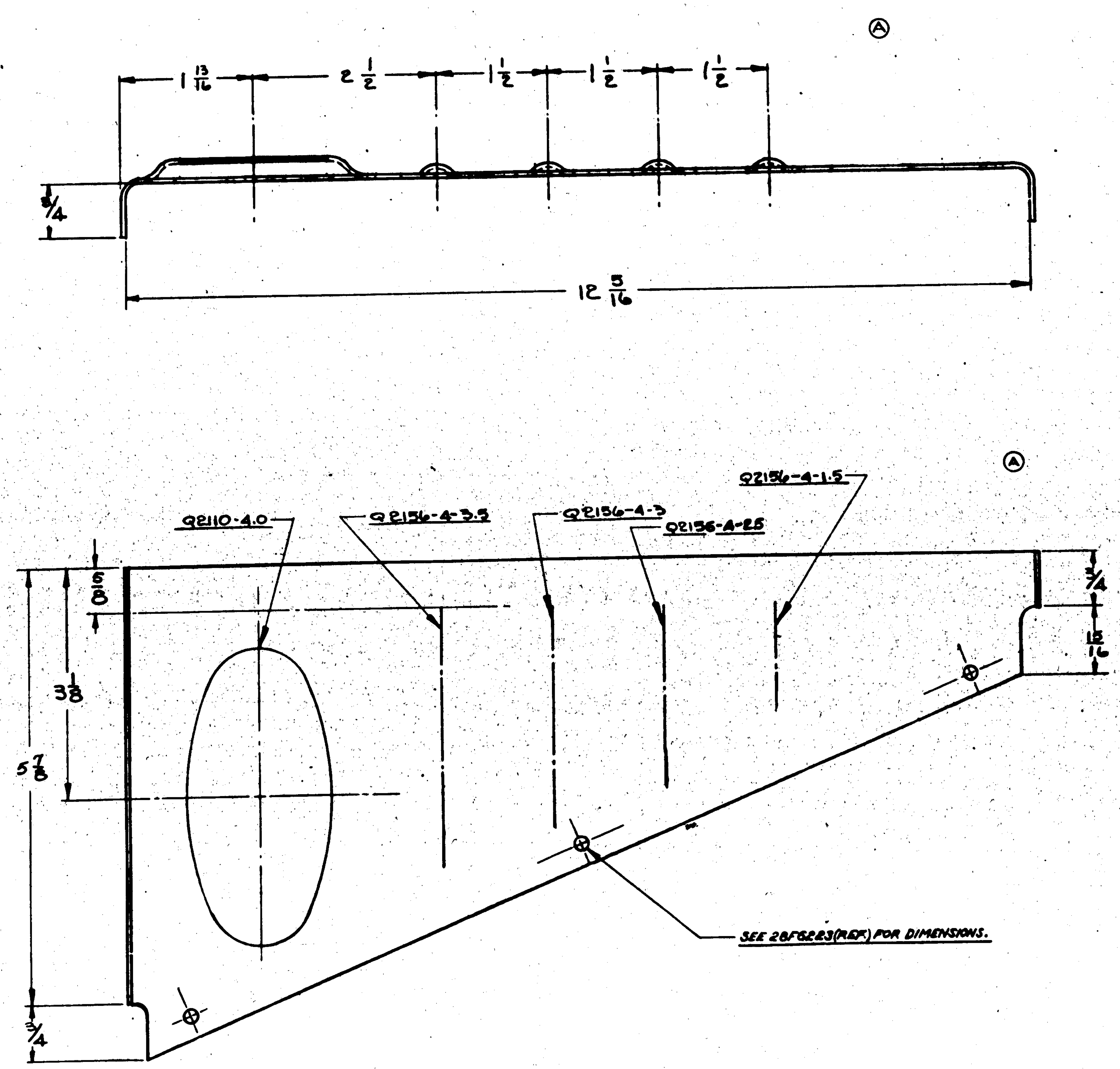
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6219

R

G.O. # A272

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	REMOVED FROM FACE Q2156-4-1 BEAD @ 1½ DIM. NO WT. CHG.	[illegible]					



NOTES:—
ALL BEND & RELIEF RADII 3/16 UNLESS OTHERWISE NOTED.

FINISH	
Z	ANODIC TREAT.
P	P-27 PRIMER
AP	[illegible]
C	[illegible]

CONTRACT # 91876
" " # 70496
" " # 77713
" " # 88476
TO BE INSTAL. BY THE NAVY ON DELIVERED SHIPS—

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6331	1
	PBY-5A	28F6220	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.051 × 15 × 13¾	ALC 24SO	47AB-A					

PARTS LIST PER ASSY.

A C							
NAVY 3R-53	Z-P-AP	12-13-4[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.

NAME BRACKET-FURNS-ABA TRANS & REC. SUPPORT-AFT

OPP. HAND

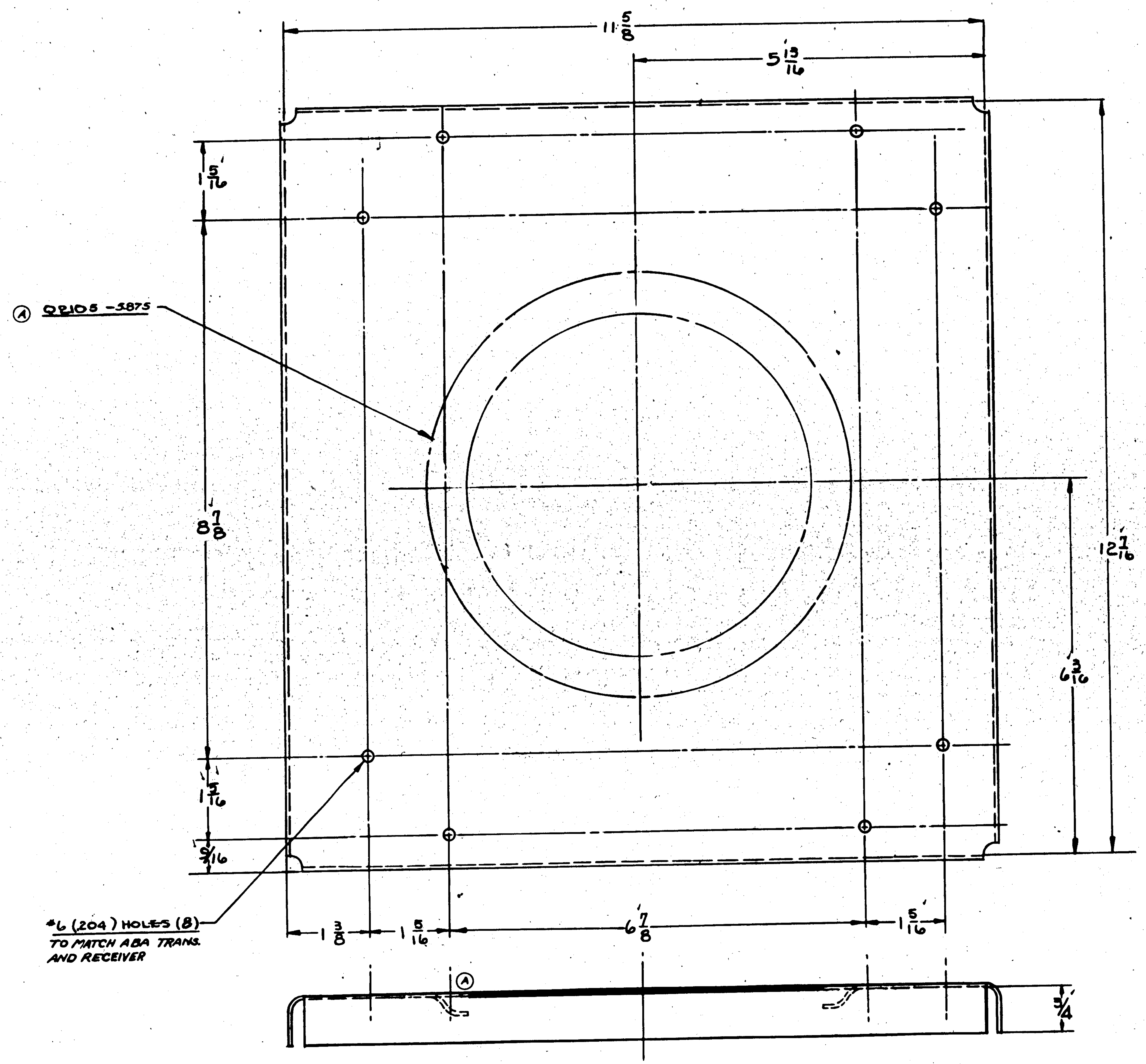
DWG. SIZE G — 28F6220

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

E.O. #126979

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	Q2105-5875 WAS Q2106-7 (INT. CHG. MFG)	[illegible]	[illegible]				



NOTES:
ALL BEND & RELIEF RADII 3/16 UNLESS OTHERWISE NOTED.

FINISH	
Z	ANODIC TREAT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACT # 91876
" " # 76496
" " # 77713
" " # 88976
TO BE INSTAL. BY THE NAVY ON DELIVERED SHIPS—

MODEL	NEXT ASSY.	NO.
PBY-5	28F6233	
PBY-5A	28F6232	

REQUIREMENTS PER AIRPLANE

REPLACES | CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.081 X 14 X 15	ALC 24SO	AT AB-A

PARTS LIST FOR ASSY.

-0	-2	-3	-4	-5
REQ.	REQ.	REQ.	REQ.	REQ.

A C
NAVY SR-53 — HEAT TREAT
Z-P-AP — FINISH
DRAFT / CHECK / STRUCT / MAT. / [illegible] / ENG.

NAME BASE - FURNS - ABA TRANS & REC. SUPPORT

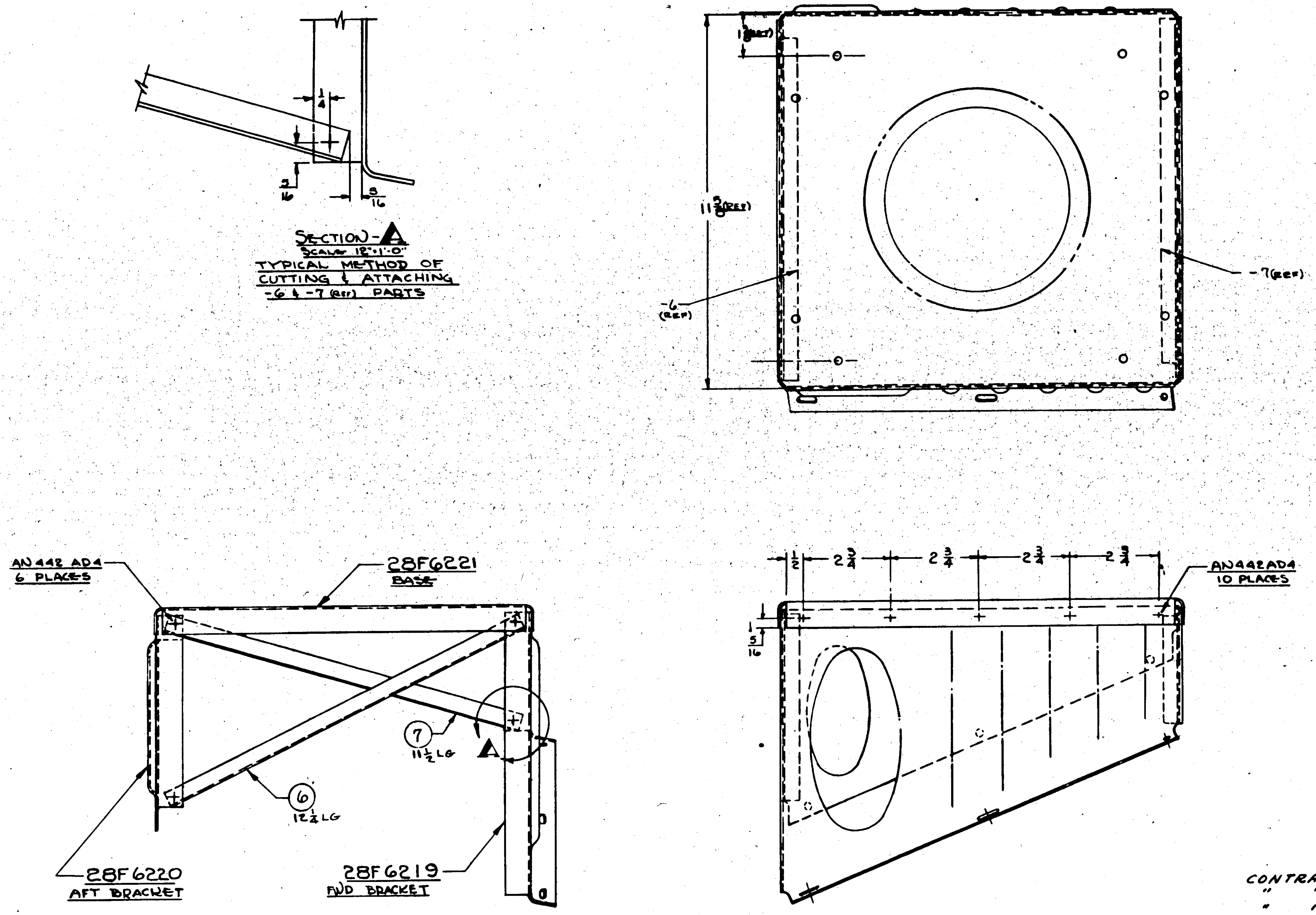
OPP. HAND NONE

DWG. SIZE G 28F6221

R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	IN ⁵/₁₆, FOR -6, REPLACED "K6240 X 12 ³/₈, AL. ALLOY 24ST 46A9" WITH "NOTED" & FOR -7 REPLACED "K6240 X 11 ⁵/₈, AL. ALLOY 24ST, 46A9" WITH "NOTED" TO FACE OF DWG., ADDED MATERIAL NOTES: #1 & #2. (WT. CHG. NONE)	3-26-42	[illegible]



Ⓐ NOTES:-

MATERIAL NOTES:-

1-MATERIAL FOR -6 MAY BE:-
A-Y-2-A11T X 12 ³/₈, OR
B-K6240 X 12 ³/₈, 24ST AL. AL. EXTR, SPEC. 46A9 COND. T.

2-MATERIAL FOR -7 MAY BE:-
A-Y-2-A11T X 11 ⁵/₈, OR
B-K6240 X 11 ⁵/₈, 24ST AL. AL. EXTR, SPEC. 46A9 COND. T.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACT #91876
" " #70496
" " #77713
" " #88476
TO BE INSTAL. BY THE NAVY ON DELIVERED SHIPS-

ASSY. DASH NO.	MODEL	NEXT ASSY.	NO.
	PBY-5	28F6223	1
	PBY-5A	28F6223	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN442AD4				-				
28F6221				1				
28F6220				1				
28F6219				1				
-7	NOTED	NOTED	NOTED	1				
-6	NOTED	NOTED	NOTED	1				

PARTS LIST PER ASSY.

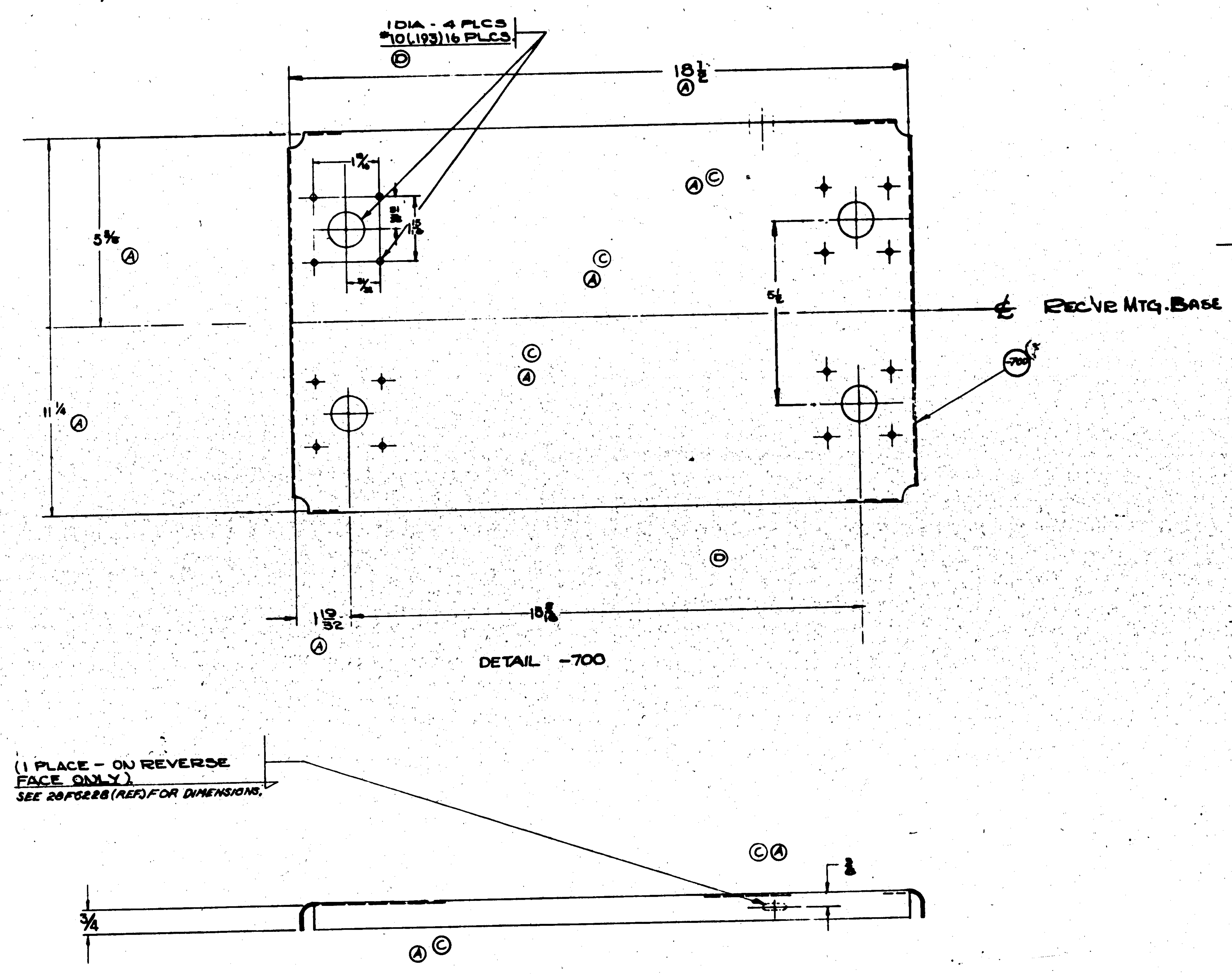
REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

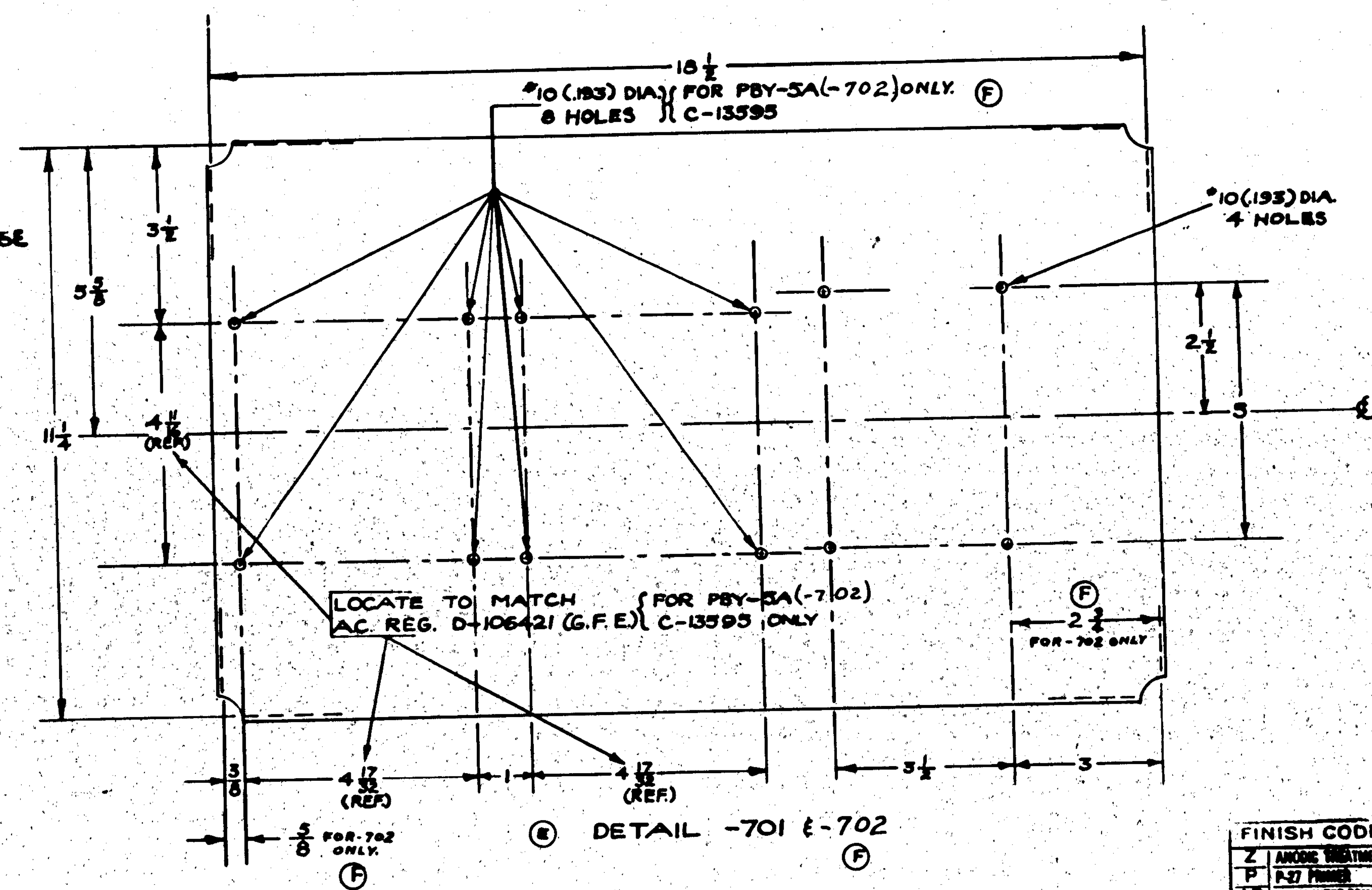
AC
NAVY NONE — HEAT TREAT
-6 & -7 ONLY Z-P-AP — FINISH
DRAFT 12-16-41 | CHECK | STRUCT | MAT. | APPROV. | ENG.

NAME SUPPORT ASSY- FURNS- ABA TRANS. & RECEIVER.
OPP. HAND NONE
SIZE G — DWG. 28F6222
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	[illegible] SLOTS [illegible] CHANNEL LENGTH FROM [illegible] TO [illegible] ADDED BULGE & BEND-RADII	[illegible]	[illegible]
B	ADDED DIMS FOR [illegible] REMOVED 28F7046-6 FROM DWG. [illegible] [illegible] WAS 28F7046-6. REMOVED [illegible] FROM ALL DIMS	[illegible]	[illegible]
C	REMOVED RECTANGULAR INDENTATIONS & LOCATING DIMS. NEG WT CHG	[illegible]	[illegible]
D	ASSIGNED -6 TO PART & ADDED -700 & -701 WT. CHG NEG	10-17-[illegible]	[illegible]
E	ADDED DETAIL FOR -701. CONT. #NXS 13595. WT. CHG. NEG	1-20-4[illegible]	[illegible]
F	CREATED -702 PT. & REMOVED -701 PT. FOR PBY-5A. WT CHG NEG.	2-12-4[illegible]	[illegible]





FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTES:
1. ALL RELIEF RADII 3/16
2. ALL BEND RADII 5/16

#1-89 C-70496 (#91876)
CONTRACT # 70496
" " # 77713
" " # 88476

ASSY. DASH No.	MODEL	NEXT ASSY.	No.
-700	2SEAMN	28F6226	1
-701	PBY-5	28F6226	1
-700	PBY-5	28F6226	1
-702	PBY-5A	28F6226	1
-700	PBY-5A	28F6226	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.3 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1' 0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-702	MAKE FROM -6		
-701	MAKE FROM -6		
-700	MAKE FROM -6		
-6	.064 X 13 X 20 1/2	24SO ALC.	[illegible]

PARTS LIST PER ASSY.

REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5

A C
NAVY SR 83 — HEAT TREAT
Z-P-AP — FINISH
2-17-41

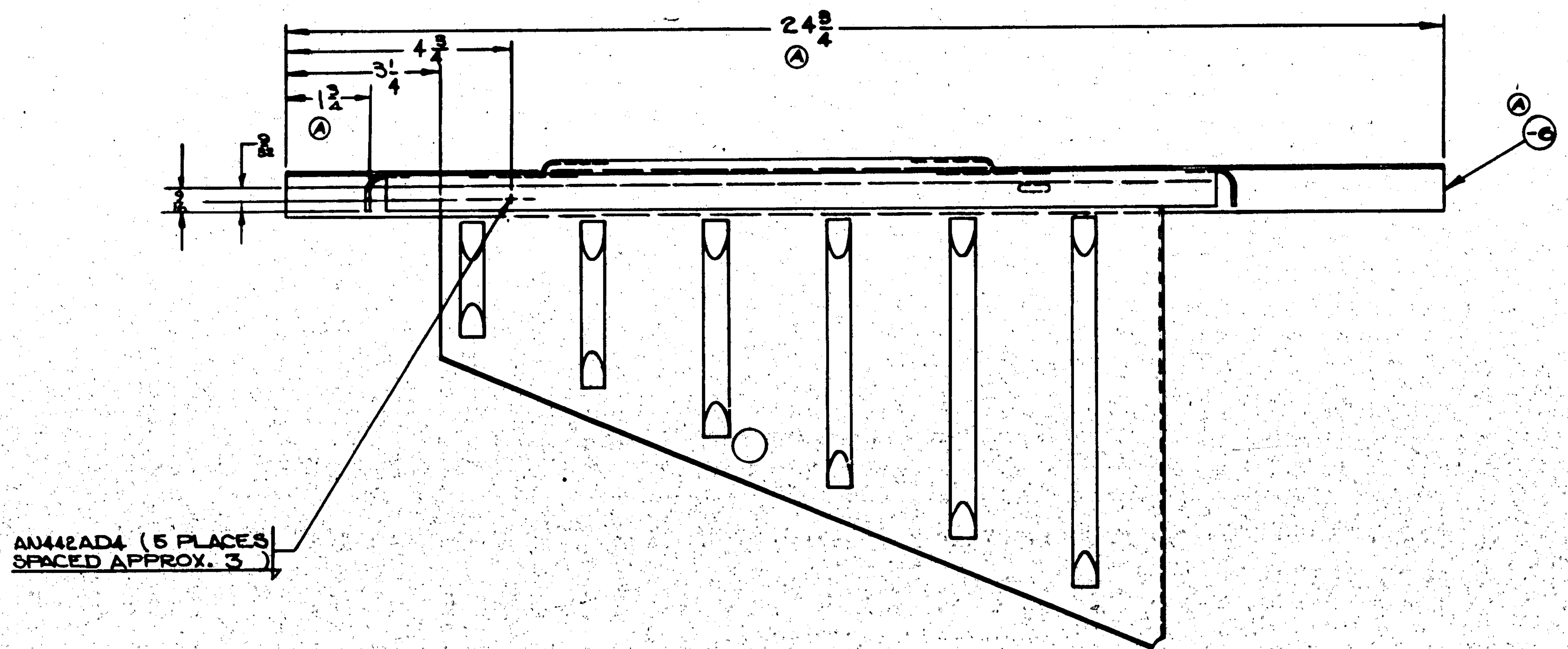
NAME PAN - FURN. - RADAR RECVR. SUPPORT

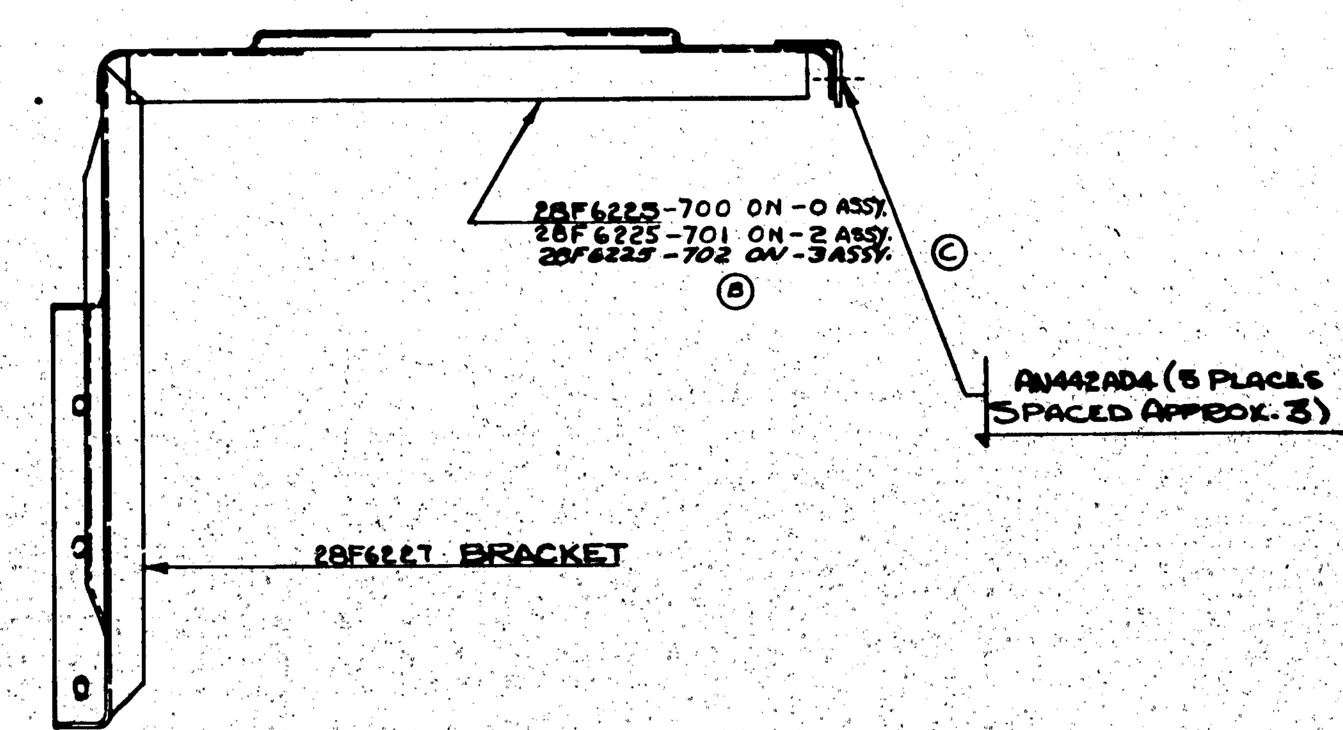
OPP. HAND NONE

G 28F6225

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	ADDED -6 TO DRW'G B/M. ADDED DIM'S FOR -6-		
	REVISED DRAWING TO AGREE WITH DETAILS	2-6-42	
B	28F6225-700 WAS 28F6225. CREATED -2 ASSY. IN REG'T/A'PLANE BLK. LIMITED -0 PBY-5 1-83 & -2 ASSY. TO 90EON FOR C.#91876. WT. CHG. NEG.		FUNK
C	CREATE -3 ASSY. WT. CHG. NEG.		
D	IN B/M. FOR -6, REPLACED "K78J X 24 7/8, ALC. ST. 4688-T" WITH "NOTED" ON FACE, ADDED NOTE #3. WT. CHG. NEG.	8-12-43	





ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
-3	PBY-5A	28F6228	1
-0	28-5AMN	28F6228	1
-2	PBY-5	28F6228	1
-0	PBY-5	28F6228	1
	PBY-5A	28F6228	1

C NOa(s)464 → -3

C.#31876 {90EON, #1-83} → -2, -0

CONTRACT # 70496, " " # 77713, " " # 88476 ONLY.

REQUIREMENTS PER AIRPLANE

REPLACES — 2.37 CALC WT.

REPLACED BY — ACT WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC.	-0	-2	-3	-4	-5
AN442AD4				—				
28F6225-702						1		
28F6225-701					1			
28F6227				1	1	1		
28F6225-700				1				
-6	NOTED	NOTED	NOTED	1	1	1		

PARTS LIST PER ASSY.

NOTE:- 1- CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT 88476 & 91876

2- ON CONTRACT 70496 (33 AIRPLANES) & 77713 PARTS ARE TO BE FURNISHED FOR SERVICE INSTL'N TO NAVY.

(D) 3- MAT'L. FOR -6 MAY BE-
(A) Y-2-A46T X 24 7/8, OR
(B) K78J X 24 7/8, AL. AL. EXTR., SPEC. QQ-A-354-T.

A C — NAVY — HEAT TREAT — FINISH

DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

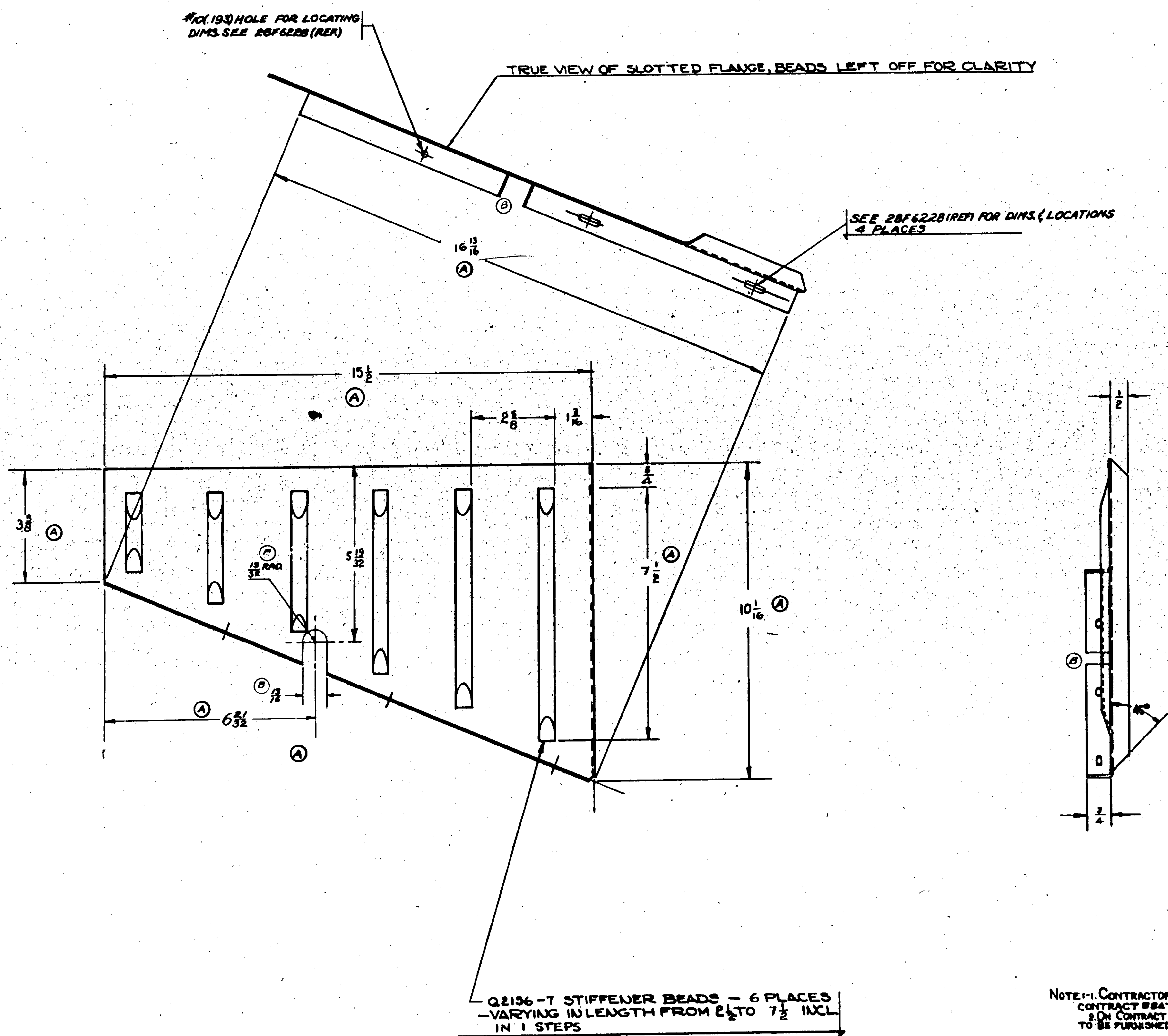
NAME SUPPORT ASSY. - FURN'S. - RADAR RECEIVER

OPP. HAND NONE

DWG. SIZE G — 28F6226

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F6226 R



NOTE:— ALL BEND & RELIEF RADII 1/8.

LET	ALTERATION	DATE	BY
A	REDUCED LENGTH OF BRKT FROM 25 1/4 TO 15 1/2. ALSO STOCK SIZE IN B.M. REDUCED NUMBER OF BEADS FROM 8 TO 6 & CHANGED NOTES & LENGTH ACCORDINGLY. REDUCED NUMBER OF SLOTS IN FLANGE FROM 5 TO 2. ADDED 13/16 DIA. HOLE & LOCATING DIMS. FOR SAME		
B	2582 READING ON FACE OF DWG REMOVED. "13/16 DIAM HOLE" ADDED "13/32 RAD. & 13/16 DIM'S. WT. CHG. NEG	4-3-42	

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACT # 91876 → PBY-5 28F6226 1
CONTRACT # 70496, # 77713, # 88476 → PBY-5A 28F6226 1

NOTE:-1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT #88476 & 91876.
2. ON CONTRACT 70496 (33 AIRPLANES) & 77713 PARTS ARE TO BE FURNISHED FOR SERVICE INSTL'N TO NAVY.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6226	1
	PBY-5A	28F6226	1

REQUIREMENTS PER AIRPLANE

REPLACES — .93 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.051 x 16 1/4 x 11 1/2	2450 ALC.	47A9-A	1				

PARTS LIST PER ASSY.

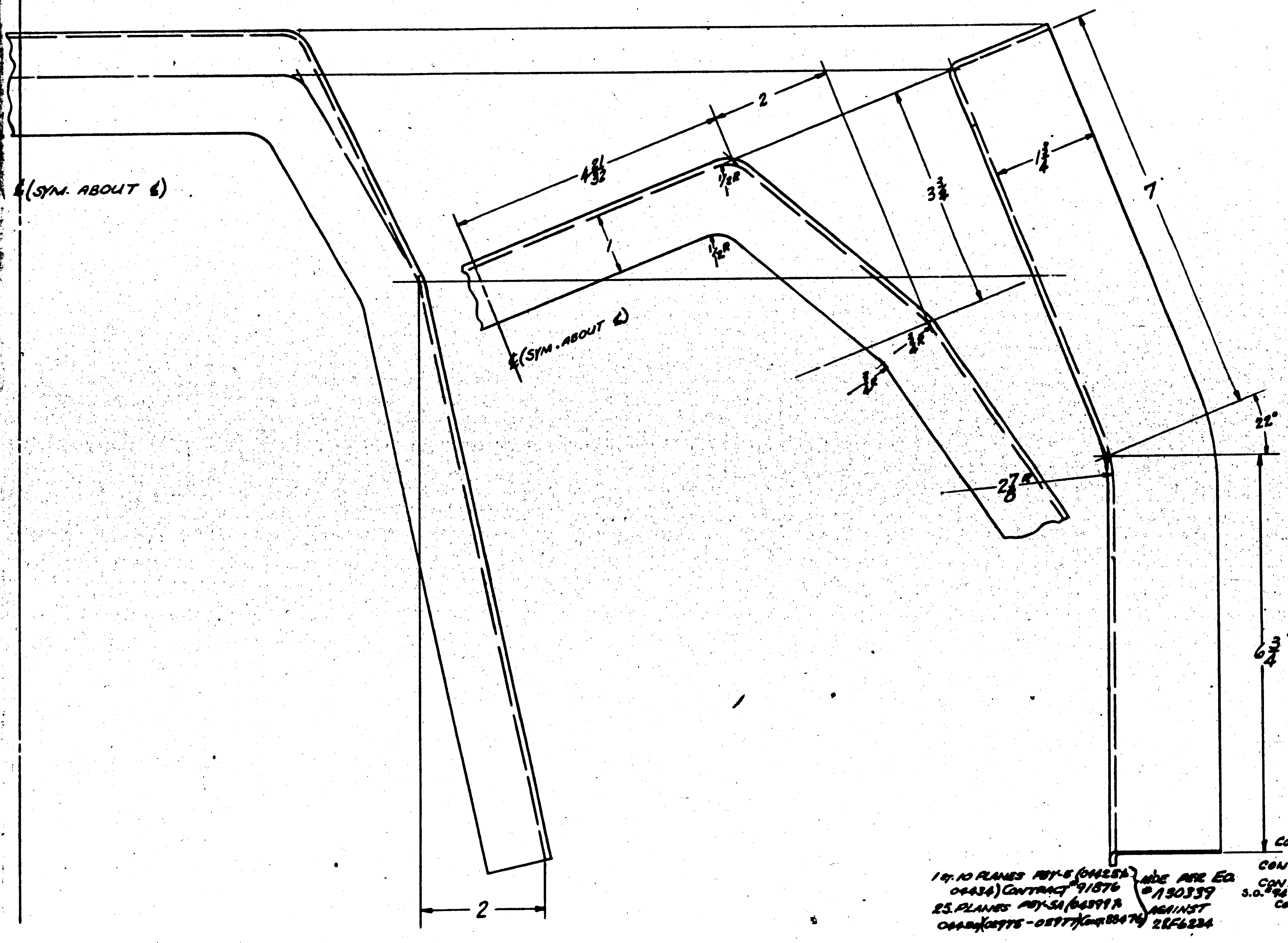
A C
NAVY SR 53 — HEAT TREAT
Z-P-AP — FINISH
DRAFT / CHECK / STRUCT / MAT. / APPROV. / ENG.
OPP. HAND NONE

NAME BRACKET-FURN.-RADAR RECEIVER SUPPORT

DWG. SIZE G — 28F6227

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



RUSH RELEASED AFTER "C" CHANGE 3-26-42

LET	ALTERATION	DATE	BY
C.	REDRAWN [illegible]	[illegible]	
D.	RELEASED AFTER "RUSH [illegible]" WITH C CHANGE [illegible]	[illegible]	
E.	1/4 BEND RADII WAS [illegible]	[illegible]	

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6233	2
	PBY-5	28F6233	2
	PBY-5A	28F6233	2
	PBY-5A	28F6233	2

REQUIREMENTS PER AIRPLANE

REPLACES 28F62[illegible] 12/22/41 — CALC. WT. .92

REPLACED — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/2 [illegible] 1/32 — SCALE 1 1/2" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.091 x 10 x 25	ALC. 24ST	AN-A-13-T

PARTS LIST PER ASSY.

REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
LH / RH	LH / RH	LH / RH	LH / RH	LH / RH

A C

NAVY

HEAT TREAT

FINISH: ZF-28-010

DRAFT | CHECK | STRUCT | MAT | APPROV | ENG. — WOLD

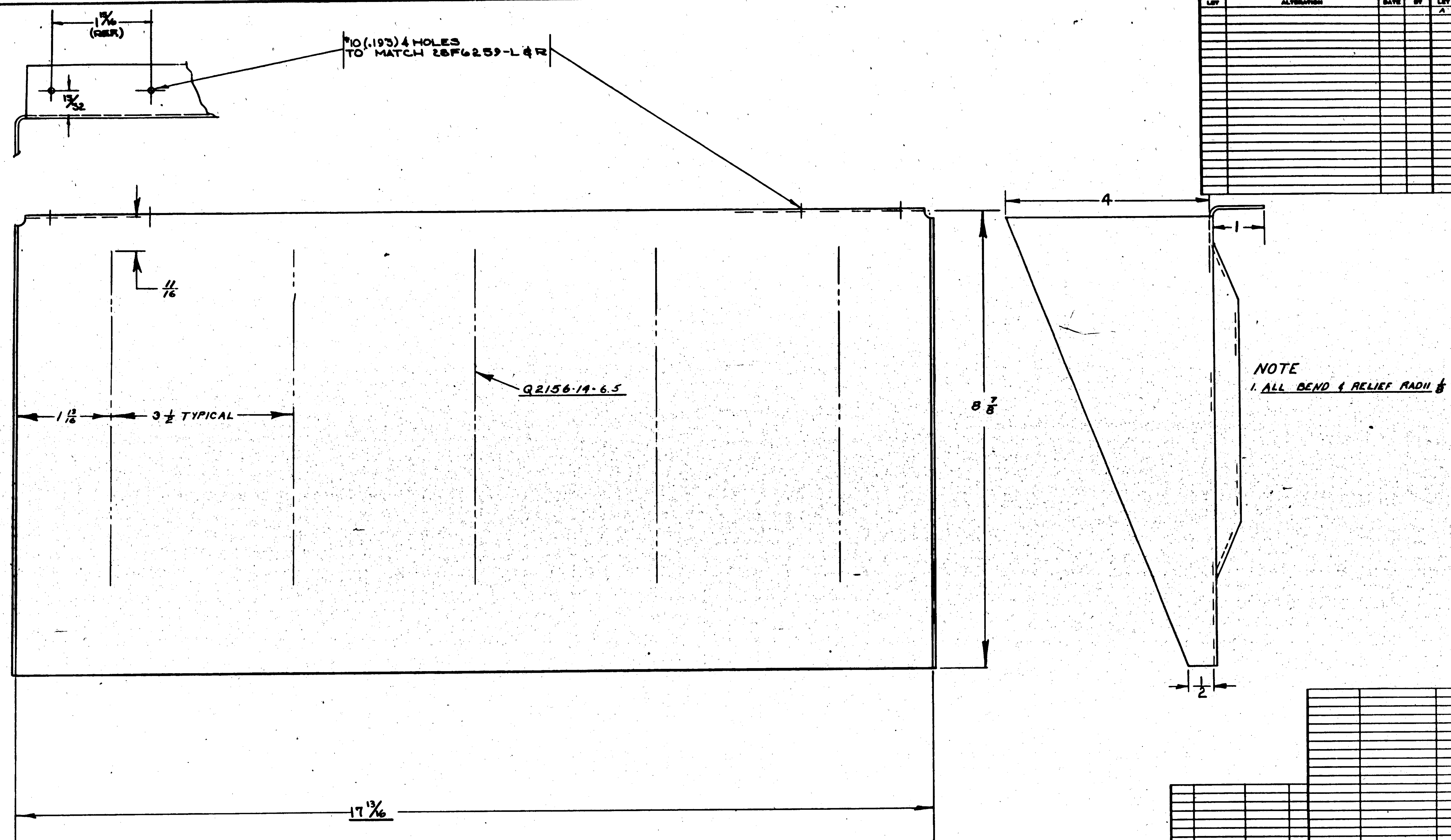
OPP. HAND NONE

NAME BRKT.-PILOTS & CO-PILOTS ARMOR PLATE SPLASH PLATE - ATTACHM'T

SIZE G — 28F6234

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 1/4 PD



LET	ALTERATION	DATE	BY
A	Q2156-14-6.5 WAS Q2156-14-7.5		

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

C-81876 ONLY → PBY-5 28F6237 1

INSTALL ON C-88476. FURNISH PARTS FOR SERVICE INST. ON C-70496 & C-77713. → PBY-5A 28F6237 1

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6237	1
	PBY-5A	28F6237	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.07 CALC. WT.

REPLACED BY — ACT. WT.

LIMITS ± 1/32 — SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0	-2	-3	-4	-5
	.051x10x28	24SO-ALC	47A8-A	1				

PARTS LIST PER ASSY.

A C —

NAVY SA-53 — HEAT TREAT

ZP-AP — FINISH

DRAFT · CHECK · STRUCT · WT. · APPROV · ENG.

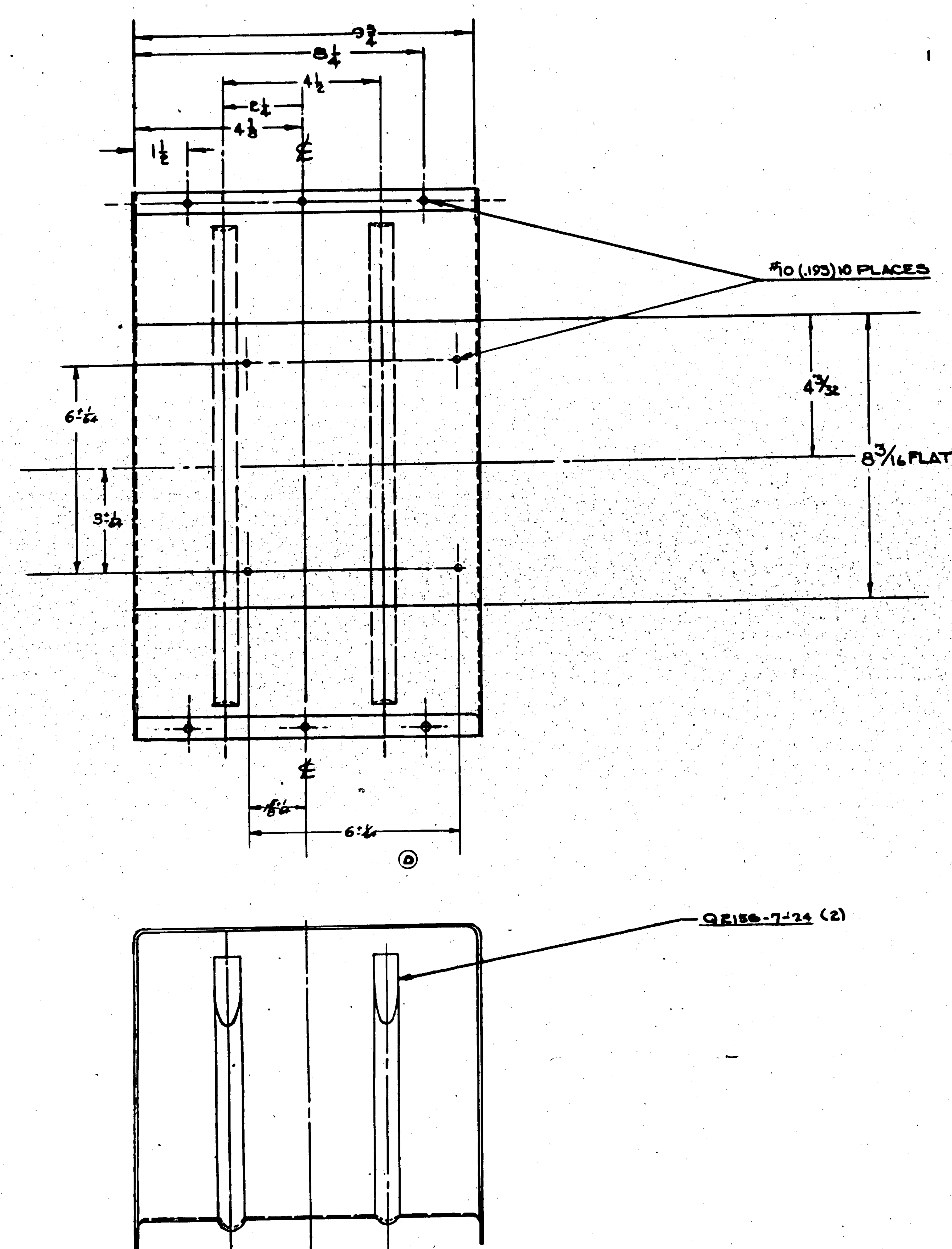
OPP. HAND NONE

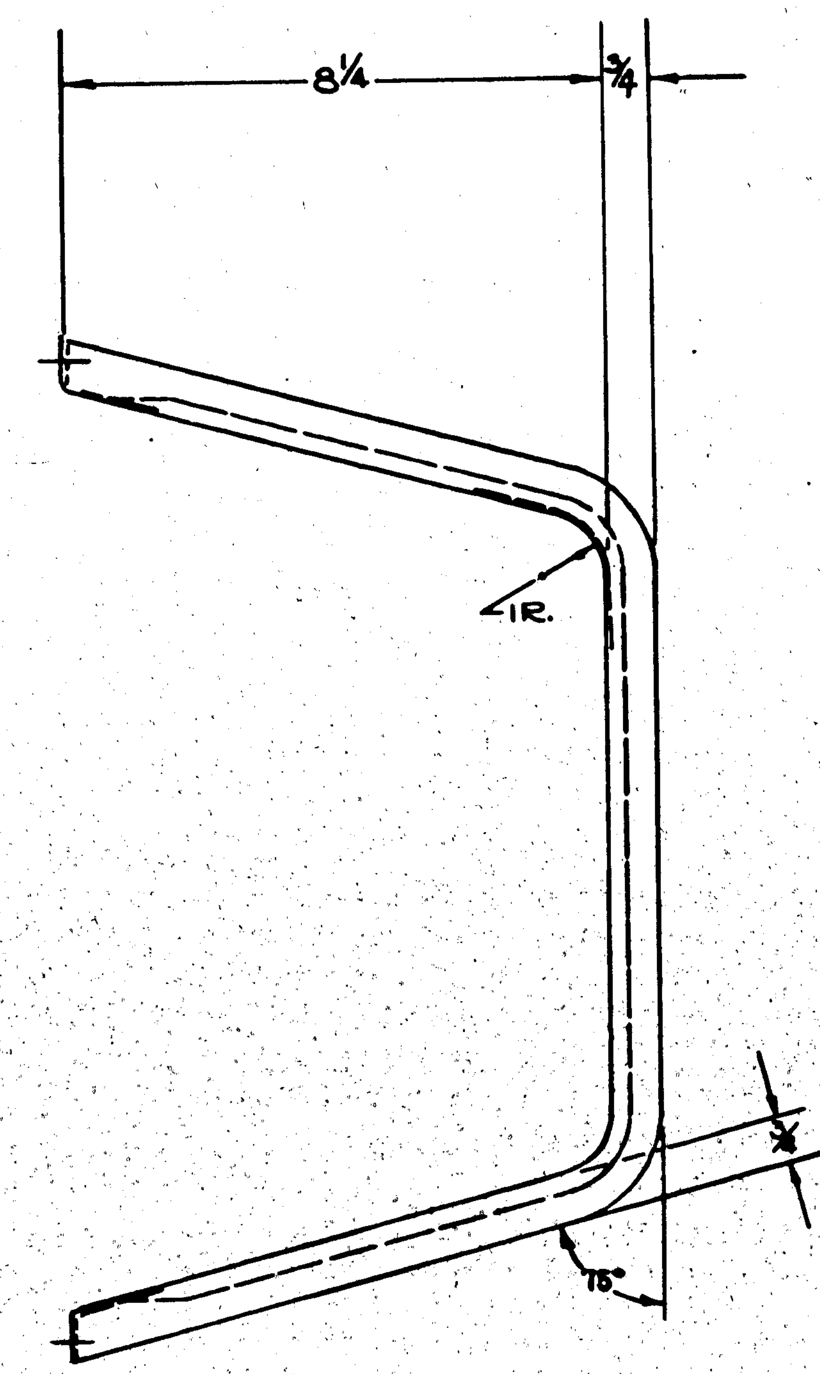
NAME SUPPORT - FURNS - A.S.V. TRANS. - RACK

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G 28F6238 R

LET	ALTERATION	DATE	BY
A	RELEASED AFTER PRERELEASE	[illegible]	[illegible]
	CHANGED LENGTH FROM [illegible] TO [illegible]		
	RELOCATED MTG. HOLES IN FLATTR CONFORM		
	WITH NEW LENGTH RELOCATED REMAINING [illegible] REMOVED VIEW [illegible]		
	[illegible] SUBSTITUTED Q2156-7-24 (2)		
	REMOVED SLOTS & REPLACED WITH #10		
	[illegible] HOLES (6) REVISED [illegible] TO ALLOW		
	FLANGE AS SHOWN. REVISED [illegible] TO CONFORM		
B	WITH ABOVE CHANGES.	2-5-42	[illegible]
C	NEXT ASSY NO. WAS CHANGED FROM		
	28F6202 TO 28F6240	2-12-[illegible]	[illegible]
D	RELOCATED (4) HOLES, DIMS.		
	1[illegible] & 3[illegible] WAS 3[illegible]. ADDED		
	DIMS. 6[illegible] & 3[illegible]. NO. WT. CHG.	[illegible]	[illegible]





NOTE:
ALL SPHERICAL RADII ⅜, ALL BEND RADII ¼ EXCEPT NOTED.

NOTE:-
1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT 88476 (91876
2. ON CONTRACT 70496 (33 AIRPLANES) & 77713 PARTS ARE TO BE FURNISHED FOR SERVICE INSTL'N TO NAVY.

FINISH CODE	
Z	ANOD C TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACT 70496 #91876 → 28-5AMN / 28F6240 / 1
#70476 → PBY-5 / 28F6240
#77713, #88476 → PBY-5A / 28F6240

ASSY. DASH NO.	MODEL	NEXT ASSY.	NO.
	28-5AMN	28F6240	1
	PBY-5	28F6240	
	PBY-5A	28F6240	

REQUIREMENTS PER AIRPLANE

REPLACES — 1.46 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & ± ½° — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.051 SHT X 11 5/8 X 11 5/8	24SO ALC.	47A6	1				

PARTS LIST PER ASSY.

AC
NAVY SR-53 — HEAT TREAT
Z-P-AP — FINISH

DRAFT	CHECK	STRUCT	[illegible]	APPROV	ENG
12-23-41 [illegible]	SHANK [illegible]	[illegible]	[illegible] 2-19-42	KLEIN 1-21-42	I.C.H. WOLD

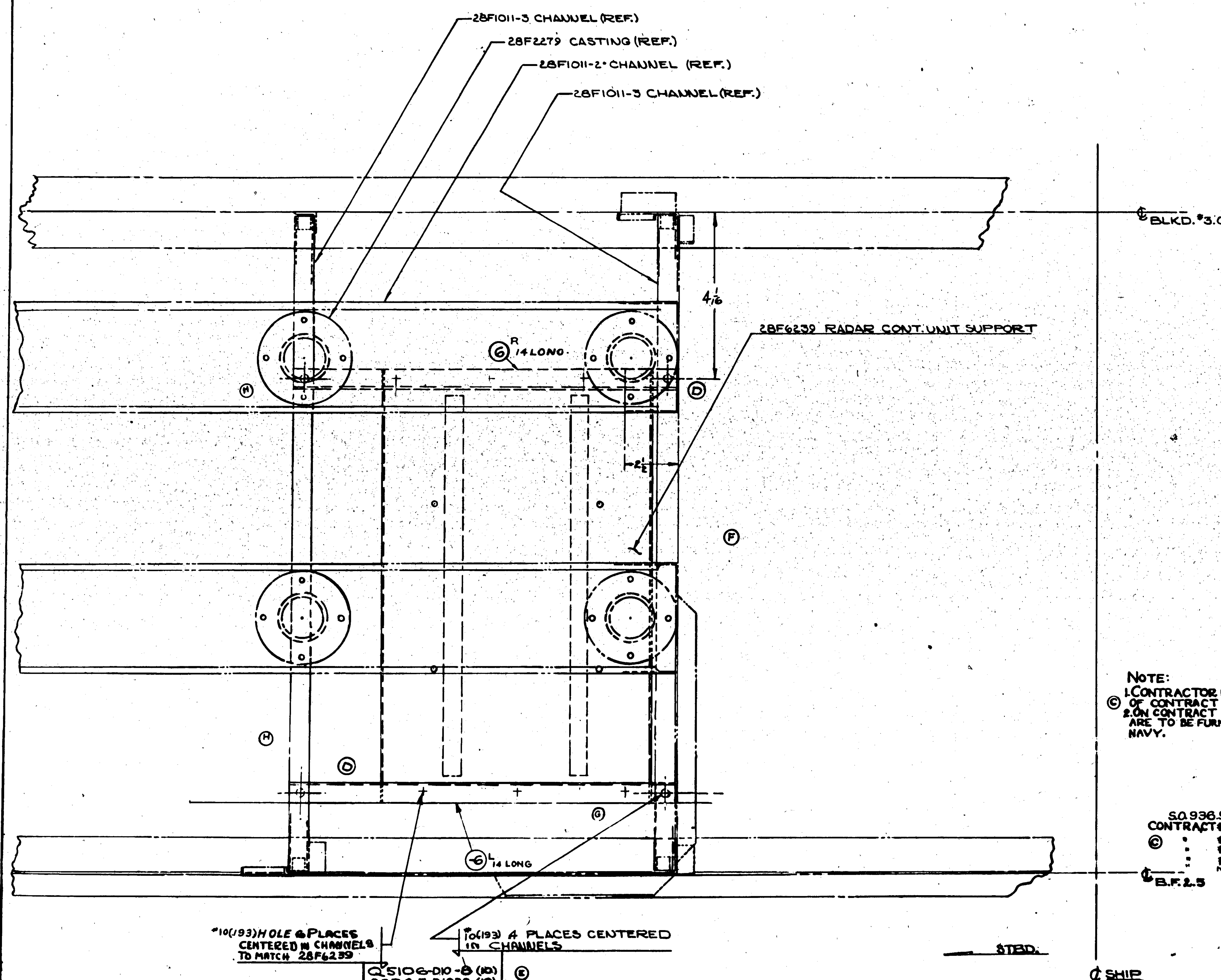
OPP HAND NONE

NAME SUPPORT-FURN.-RADAR CONTROL UNIT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

DWG SIZE G — 28F6239

R



PLAN VIEW 28F5025 TRANSMITTER SUPPORT SHOWING 28F6239 SUPPORT INSTL'N

NOTE:
1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT 88476 & 91876
2. ON CONTRACT 70496 (33 AIRPLANES) & 77713 PARTS ARE TO BE FURNISHED FOR SERVICE INSTL'N TO NAVY.

LET	ALTERATION	DATE	BY
A	RELEASED AFTER PRERELEASE	2-9-42	
B	REVISED PICTURE OF 28F6239 TO SHOW LATEST CHANGES IN LENGTH, AND MTG HOLES, ADDED -6L & -6R.		
B	REVISED P/L TO CONFORM WITH ABOVE	2-9-42	
C	CHANGED CONTRACT NOTATION	2-18-42	
D	ADDED DOTTED LINE IN -6L & R CHANNEL TO CLARIFY DIRECTION. NO WT. CHG	3-23-42	
E	Q5106-D10-8 WAS Q5106-10-8 & AC365D1032 WAS AC365-1032 NEG. WT. CHG	3-23-42	
F	REMOVED 13 5/16 LOCATING DIM. NO WT. CHG		
G	CREATED SHEET 2 OF 2. REMOVED DIM. DETAILING -6 (NO WT. CHG.)	5-25-43	

S.O. 936.971
CONTRACT #91876
#70496
#77713
#88476
NOA(s) 464 #2-100

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	28SAMN	28F5005	1
	PBY-5	28F1002	1
	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.46 CALC WT.
REPLACED BY — AC WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"-1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
Q5106-D10-8				10
AC365-D1032				10
28F6239				1
-6R	Y10A44T × 14 1/8			1
-6L	Y10A44T × 14 1/8			1

PARTS LIST PER ASSY.

A C / NAVY — HEAT TREAT — FINISH — DRAFT — CHECK — STRUCT — MAT — APPROV — ENG

NAME INSTLN.-FURN.-RADAR CONTROL UNIT SUPPORT

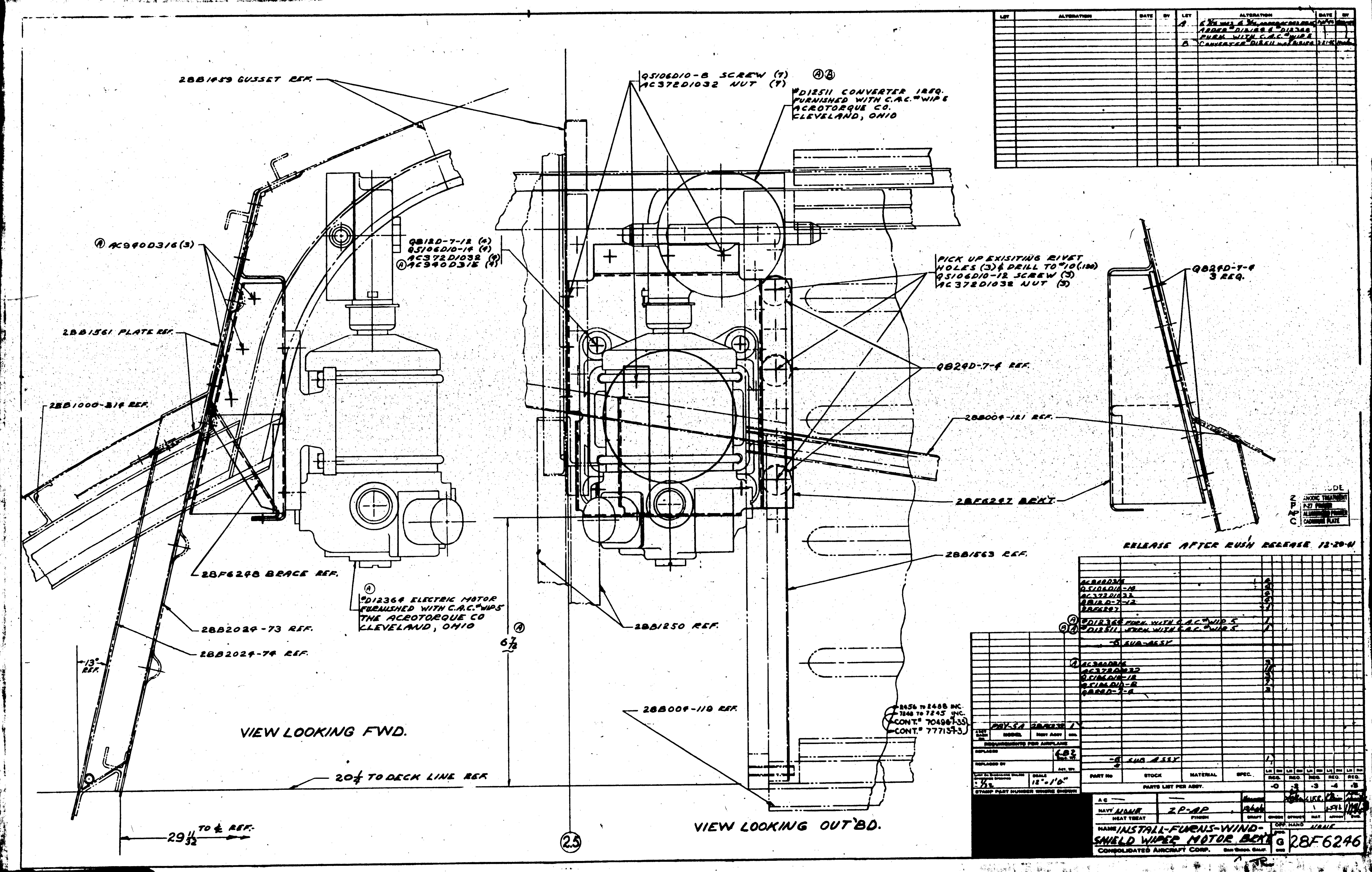
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

DWG G 28F6240

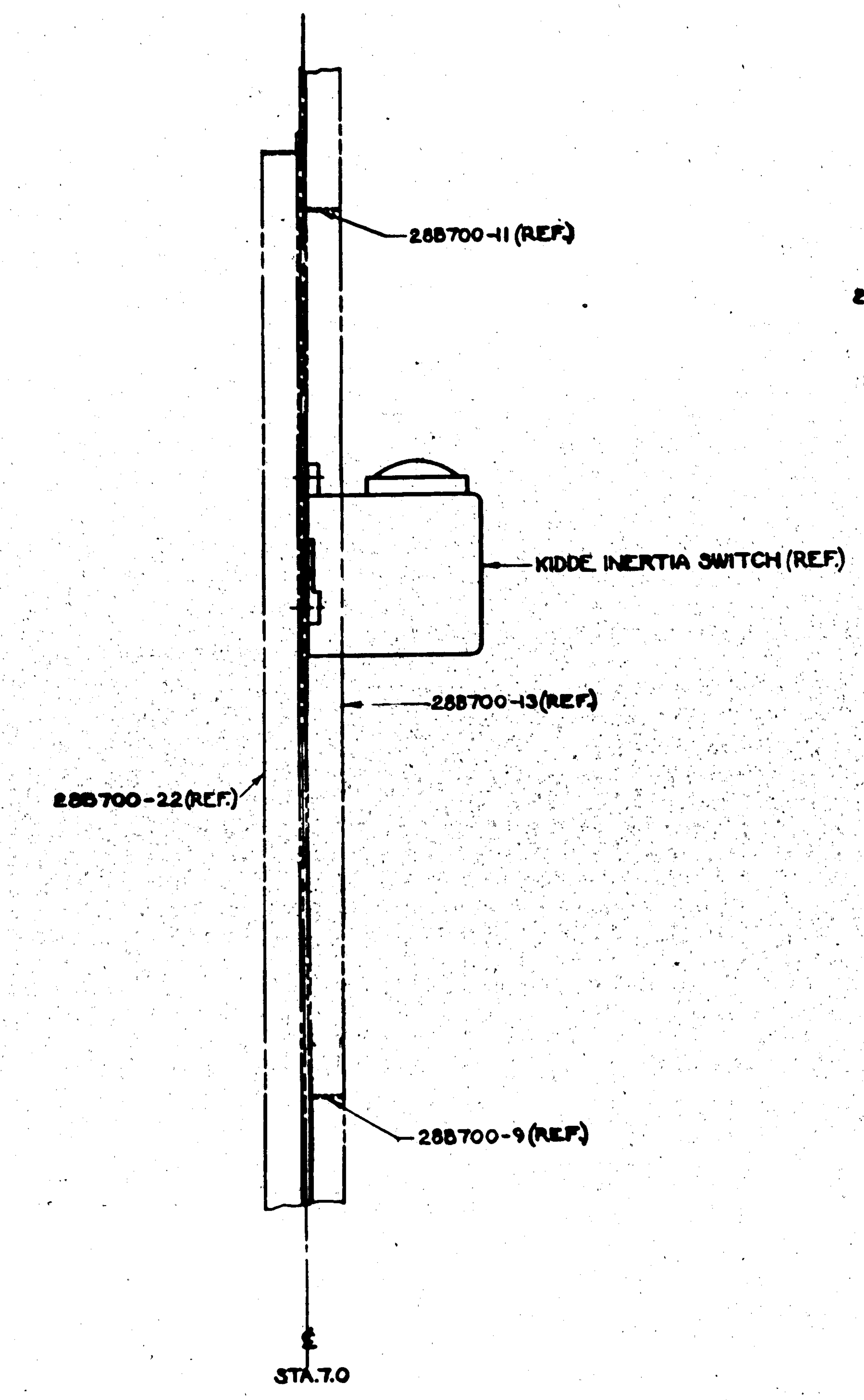
SHEET 1 OF 2

R 28F6240


2BB1459 GUSSET REF.
QS106D10-8 SCREW (7)
AC372D1032 NUT (7)
#D12511 CONVERTER 1 REQ.
FURNISHED WITH C.A.C. WIP 5
ACROTORQUE CO.
CLEVELAND, OHIO
AC940D316 (3)
QB12D-7-12 (4)
QS106D10-14 (4)
AC372D1032 (4)
AC940D316 (4)
PICK UP EXISITING RIVET
HOLES (3) & DRILL TO #10 (.190)
QS106D10-12 SCREW (3)
AC372D1032 NUT (3)
QB24D-7-4
3 REQ.
2BB1561 PLATE REF.
QB24D-7-4 REF.
2BB1000-314 REF.
2BB004-121 REF.
2BF6247 BRKT.
2BB1563 REF.
2BF6248 BRACE REF.
#D12364 ELECTRIC MOTOR
FURNISHED WITH C.A.C. WIP 5
THE ACROTORQUE CO
CLEVELAND, OHIO
2BB1250 REF.
2BB2024-73 REF.
2BB2024-74 REF.
13° REF.
6 7/8
2BB004-110 REF.
VIEW LOOKING FWD.
20 1/4 TO DECK LINE REF.
29 11/32 TO ℄ REF.
2.5
VIEW LOOKING OUT'BD.
RELEASE AFTER RUSH RELEASE 12-29-41
CONT.# 70496-35
CONT.# 77157-3
PBY-5A
NAME INSTALL-FURNS-WIND-
SHIELD WIPER MOTOR BRKT
CONSOLIDATED AIRCRAFT CORP.
28F6246

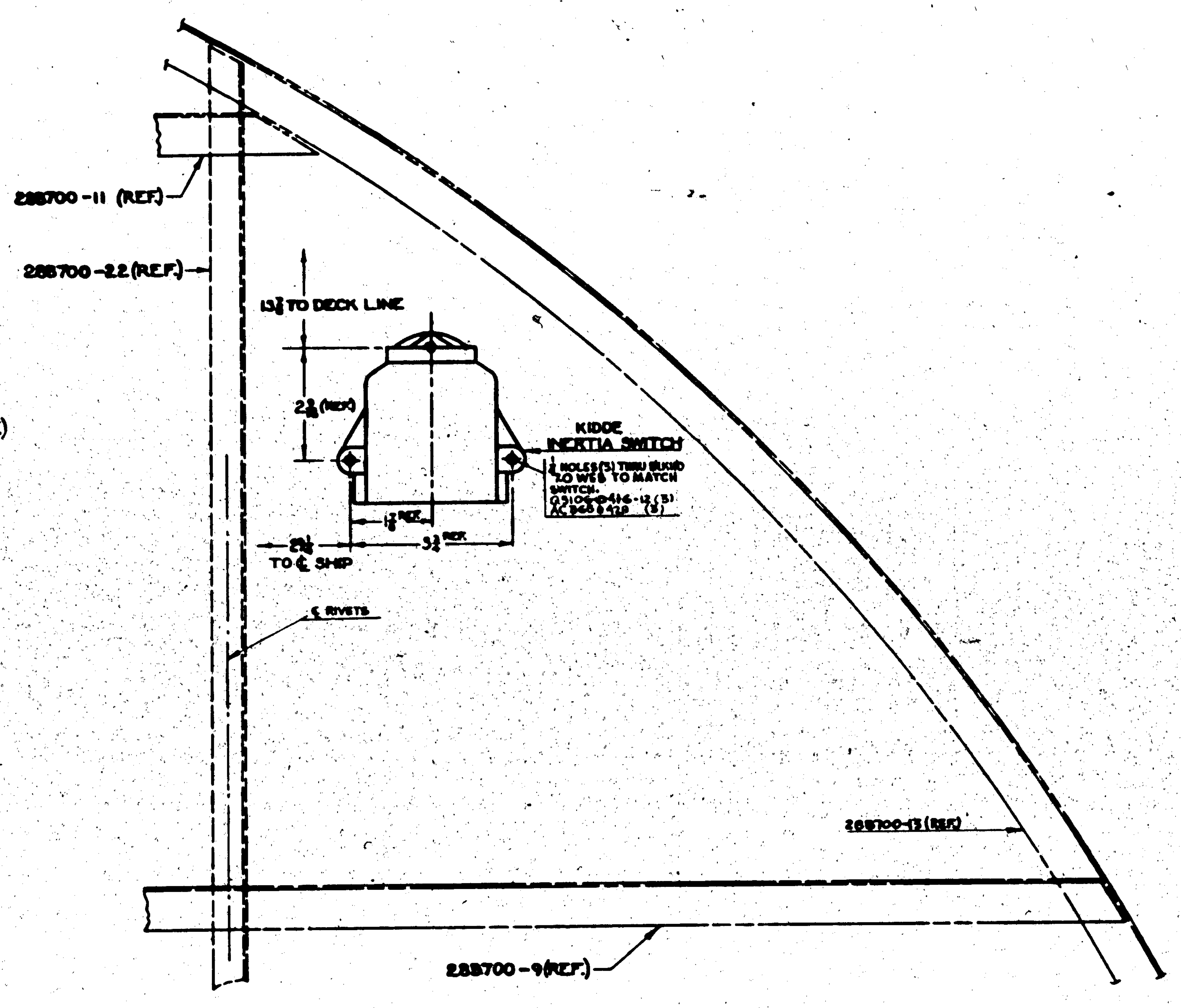
LET	ALTERATION	DATE	BY
A	REDRAWN & REVISED	3-17-42	[illegible]
	ADDED PBY-5 & CONTRACT [illegible]		
B	TITLE WAS "INSTALLATION, FURNS. GRAVINER SWITCH"	3- -42	[illegible]
	ADDED FINISH NOTE Z-P-AP		
	WT. CHG. +.08		
	ADDED: DETAIL A, DET B, DET C		
	ADDED [illegible] HOLES-(3) THRU BLKHD 7.0 WEB. ADDED TO B/M - & FACE		
	NAF 47940(1) INDICATOR MTG.		
	NAF 47939(1) JUNCTION BOX		
	-6 EXT SECT DIE # K1360 X 2 7/8		
	-7 EXT. SECT. DIE # K1360 X 1		
	Q5106D10[illegible] (7)		
	AC365D1032 (7)		
	AC365-832 (3)		
	AN515-8-7 (3)		
	CONTRACT NOTE WAS "CONTRACTOR INST. ON ALL AIRPLANES OF CONT. [illegible] [illegible] (3 AIRPLANES) [illegible] 77715 PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INST."		
	ADDED NOTE: NAF [illegible] INERTIA SWITCH TO BE GOVT FURNISHED		

LET	ALTERATION	DATE	BY
C	REMOVED FROM FACE OF DWG & B/M # NAF47940-2(1), # NAF 47939(1), 28F6258-6(1), 28F6258-7(1), AC365D1032 (7), AC365832(3), Q5106D10-8(7), AN515-8-7(3), REMOVED NOTE 1 AT BROTS. PER AIRPLANE COL. QUALIFIED CONTRACTS 91876 TO 91876 1-90 & 88476 TO 88476 1-32. CHANGED TITLE FROM INST. FURNS GRAVINER SWITCH INDICATOR MOUNTING & JUNCTION BOX TO INST. FURNS GRAVINER SWITCH. IN B/M CHANGED KIDDE INERTIA SWITCH PART NUMBER FROM [illegible] [illegible] PBY-5 & REMOVED [illegible] NOTE & DESIGNATION FROM FACE OF DWG & B/M. WT. 1.4 WAS .08. REMOVED FROM B/M C# 70496 & C# 77713 REMOVED FROM NOTE 70496 (83 AIRPLANES) & C# 77713	[illegible]	[illegible]



VIEW LOOKING OUTB'D

FWD. ←



VIEW LOOKING FWD. AT BLK'D 7.0

OUTB'D

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

Z—MAY BE PURCHASED FROM WALTER KIDDE & CO., BLOOMFIELD, NEW JERSEY.

NOTE

1. ON CONTRACT # 88476 (1-32) & C# 91876 (1-90). PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTALLATION

C 91876 1-90 →
C 88476 1-32 →

	MODEL	NEXT ASSY.	NO.
	PBY-5	28F1002	1
	PBY5A	28F6004	1

REQUIREMENTS FOR AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
[illegible] KIDDE INERTIA SWITCH [illegible]				1
Q5106D416-12				3
AC365D428				3

PARTS LIST PER ASSY.

REPLACES 28F6258 OF 1-7-42 — 1.4 CALC. WT.

REPLACED BY — ACT. WT.

SCALE 6" = 1'0"

1/32

STAMP PART NUMBER WHERE SHOWN

A C
NAVY —

HEAT TREAT — FINISH Z-P-AP

DRAFT 3-17-42 — CHECK — STRUCT — MAT — APPROV — ENG

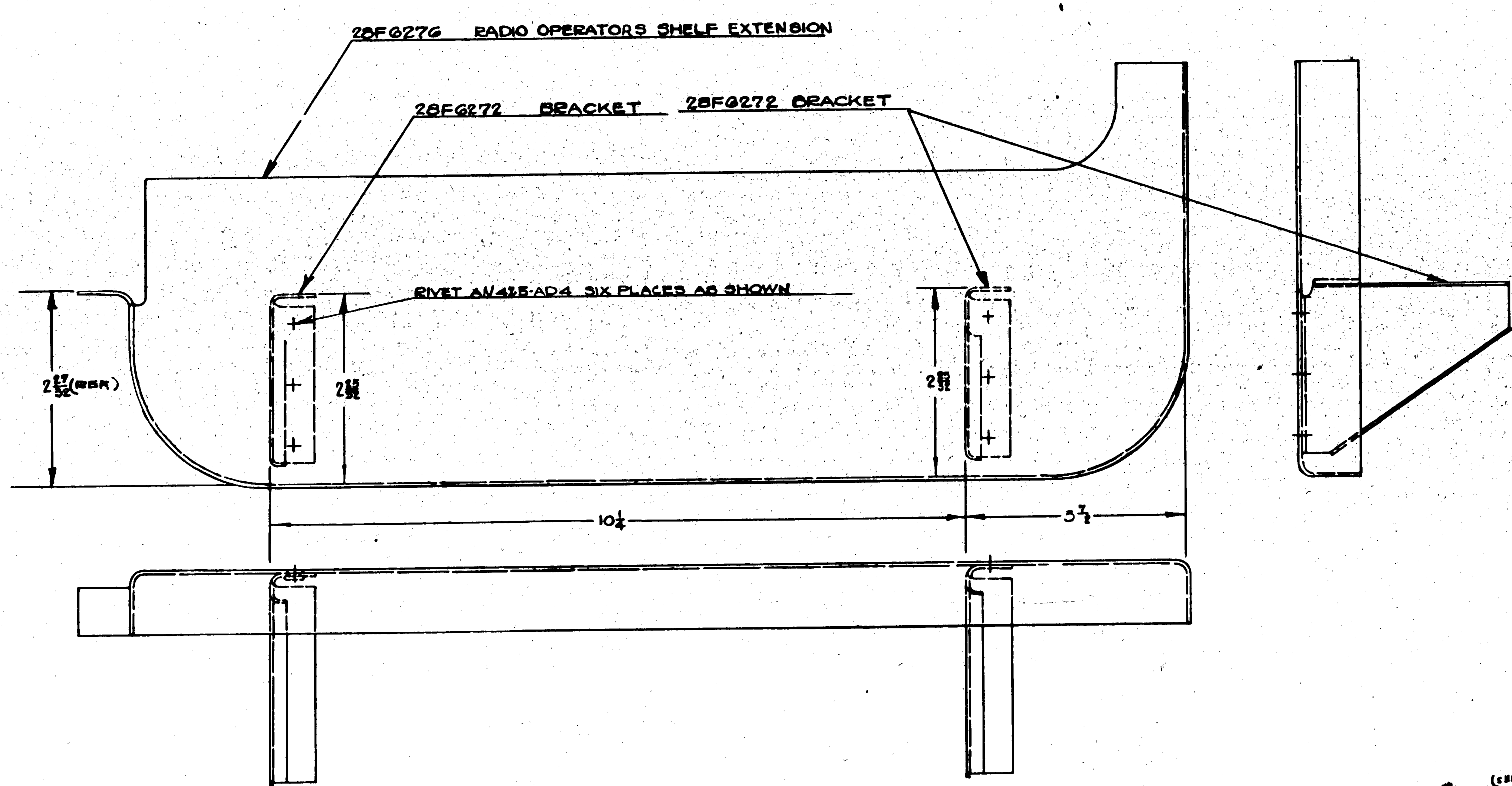
OPP. HAND NONE

NAME INST. FURNS GRAVINER SWITCH.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G 28F6258

R



CONTRACT # 70496, # 77713 & SHIPS 53 & ON OF 88476
CONTRACT # 91876 (SHIPS 101 & ON)

NOTE:
1. CONTRACTOR INSTALLED ON CONTRACTS 88476 & 91876.
2. ON CONTRACT # 70496 (33 AIRPLANES) & 77713 PARTS TO BE FURNISHED NAVY FOR SERVICE INSTL'N.

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-0	PBY-5	28F5372	1
	8X49	28F5372	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
AN425AD4	RIVET			
28F6272	BRACKET			2
28F6276	EXTENSION			1

PARTS LIST PER ASSY.

REPLACES — CALC. WT. .487
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SHOWN: ± 1/32 — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

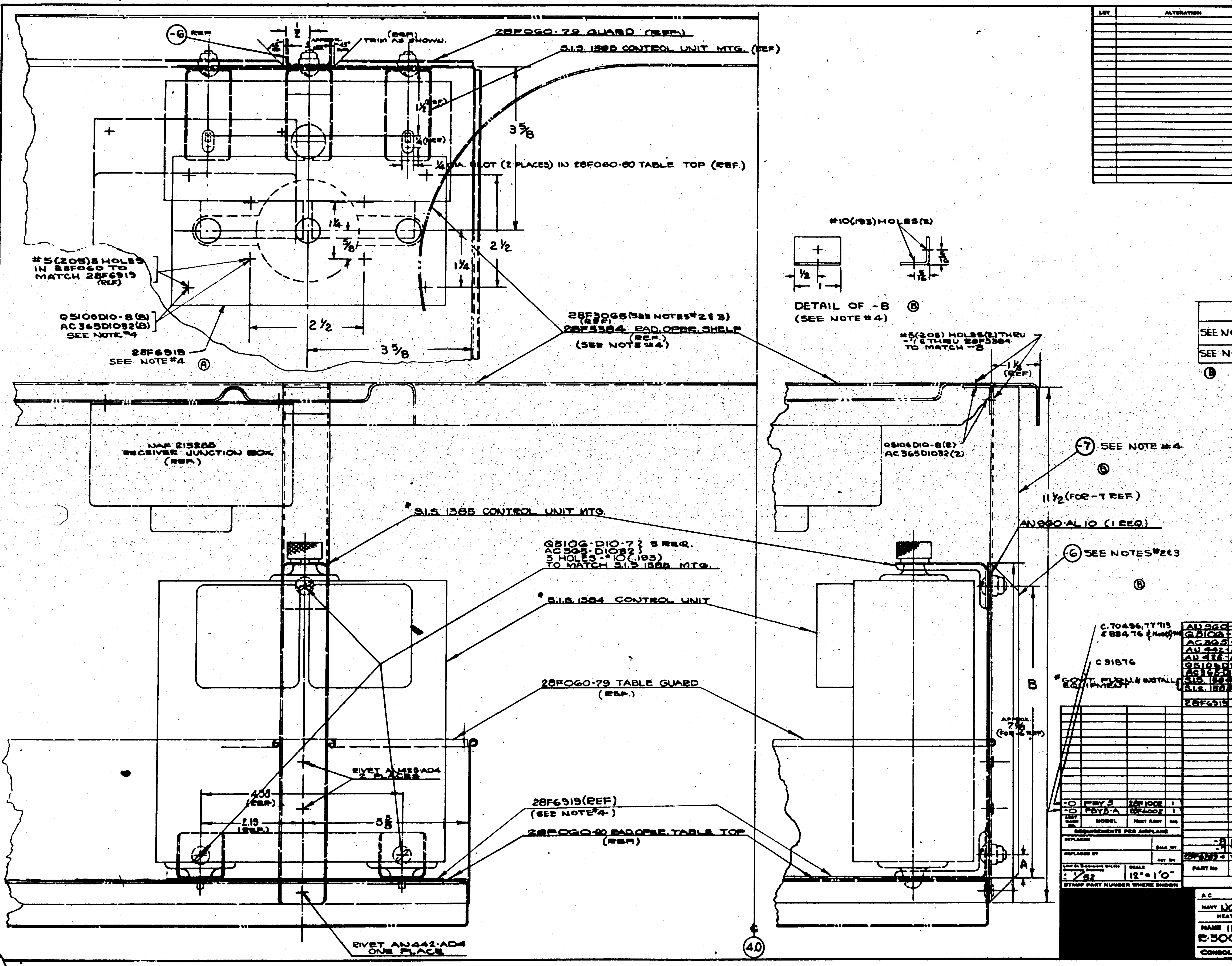
HEAT TREAT: NAVY NONE — FINISH: NONE

NAME: EXTENSION ASSY. - FURN - RADIO OPER. SHELF

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F6279

R3/32



	A	B
SEE NOTES #2 & 3	1/2	6 3/4
SEE NOTE #4	1	6 7/8

LET	ALTERATION	DATE	BY
A	ADDED 28F6919 & LOCATING DIMS. [illegible] (2 PLACES) 2 1/2, 5 1/4, 2 1/2 (2 PLACES) 1 1/4 (3 PLACES) & NOTE #5 ... 28F6919 (Q5106D10-8 (8), AC365D1032 (8) WAS 3) (FOR C.91876 PBY5 #91 & ON & C.88476 PBY5A 53 & ON) WT. CHG. NEG.	2-24-43	ROSS
B	ADDED -7 (-8) & DIMS. 11 1/2, 6 7/8 & 1 & DETAIL OF -8. Q5106D10-8 (10) WAS (8) & AC365D1032 (10) WAS (11) (FOR C.91876 PBY-5 #91 & ON & C.88476 PBY5A #53 & ON) WT. CHG. NEG.	2-24-43	ROSS
C	28F5384 (REF) WAS 28F3065 (REF) NO WT. CHG.	2-24-43	ROSS
D	MATL. FOR -8, REPLACED "K13624 X 1 1/8, AL. AL. EXTR., QQ-A-354-T" WITH "NOTED", ADDED NOTE #5 WT. CHG. NEG.	[illegible]	[illegible]

NOTE:
1.- CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT #88476, #91876
2.- ON CONTRACT #70496 (35 AIRPLANES) & 77715 PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INST.
3.- C.91876 PBY5 #1 TO 90
C.88476 PBY-5A #1 TO 52 & C-13595
4.- C.91876 PBY-5 #91 & ON
C.88476 PBY-5A #53 & ON
(D) 5- MAT'L. FOR -8 MAY BE-
(A) Y-2-A20T X 1 1/8, OR
(B) K13624 X 1 1/8, AL. AL. EXTR., SPEC. QQ-A-354-T

FINISH	
Z	ANODIC TREAT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

C.70496, 77715 & 88476 (Note 3)
C 91876
*GOV'T. FURN. & INSTALL. EQUIPMENT

PART No	STOCK	MATERIAL	SPEC.	REQ.
AN960-AL10				1
Q5106-D10-7				5
AC365-D1032	SEE NOTES #2 & 3			5
AN442-AD4				—
AN426-AD4				—
Q5106D10-8	SEE NOTE #4			10
AC365-D1032	SEE NOTE #4			10
S.I.S. 1384	CONTROL UNIT			1
S.I.S. 1385	CONTROL UNIT MTG.			1
28F6919	SEE NOTE #4			1
-8	NOTED	NOTED	NOTED	1 (SEE NOTE #5)
-7	Y10-A44T x 11 1/2	(SEE NOTE #4)		1
28F6289-6	Y10-A44-T x 7 3/4	(SEE NOTES #2 & 3)		1

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-0	PBY5	28F1002	1
-0	PBY5-A	28F6002	1

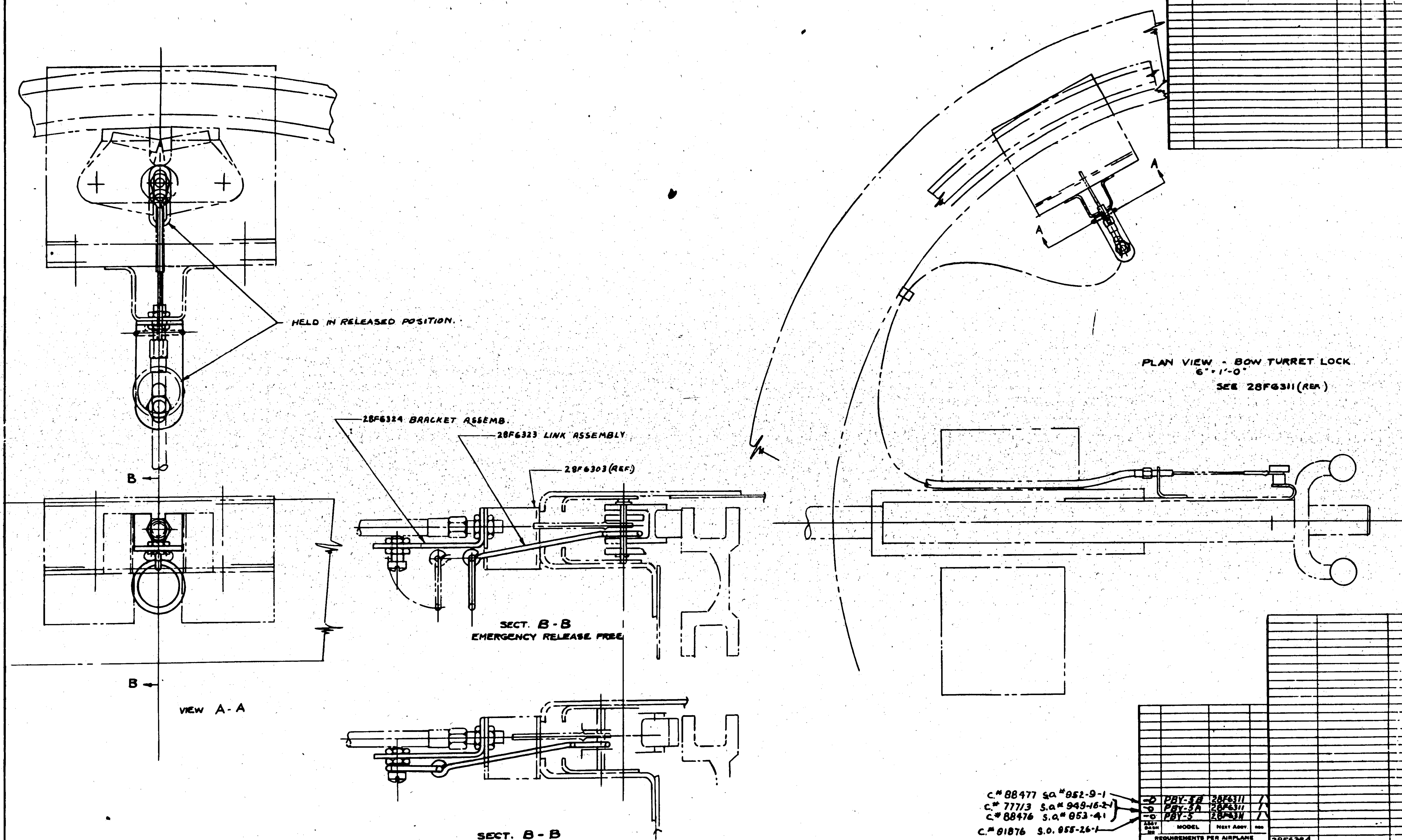
REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
ZP-AP (-6) — FINISH
DRAWN / CHECK / STRUCT. / MAT / APPROV. / ENG.
OPP. HAND —
NAME INSTALLATION-FURN.- R-5003/R-5090 CONTROL PANEL
DWG. SIZE G
28F6289
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F6289

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	CHG'D DR'S NUMBER AND TITLE AND ADDED PART NUMBERS.	[illegible]	[illegible]



C.# 88477 S.O.# 952-9-1
C.# 77713 S.O.# 949-16-2-1
C.# 88476 S.O.# 953-4-1
C.# 81876 S.O. 955-26-1

ASSY DASH NO	MODEL	NEXT ASSY.	REQ
-0	PBY-5B	28F6311	1
-0	PBY-5A	28F6311	1
-0	PBY-5	28F6311	1

REQUIREMENTS PER AIRPLANE

REPLACES 28R5578 — -08 CALC. WT
REPLACED BY 28F6321 — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

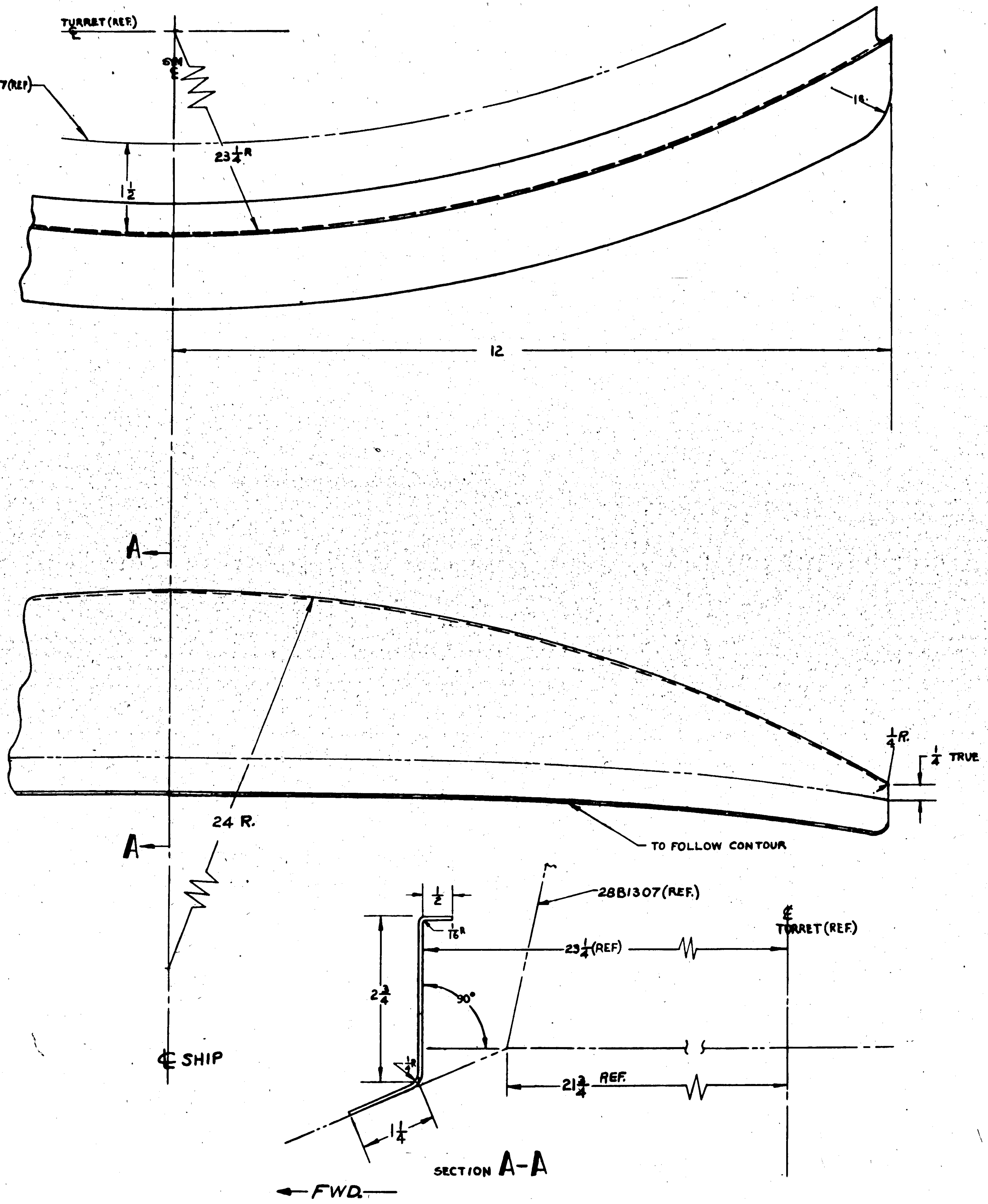
PART No	STOCK	MATERIAL	SPEC	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
28F6324				1				
28F6323				1				

PARTS LIST PER ASSY.

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT: [illegible] 3-17-42 — CHECK — STRUCT — MAT — APPROV — ENG: ZUCK, WOLD

NAME INST.- ARMT - BOW TURR-LOCK EMERGENCY RELEASE
OPP HAND.
DWG. SIZE G — 28F6321
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R [illegible]



APPROVED FOR
TOOLING BY
Gorsline 7-14-43

MCR. 259

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28A6016	/
	PBY-6	28A6016	/

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. .34

REPLACED BY — ACT. WT.

SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.072 x 5 x 25	ALCLAD	QQA362-T

PARTS LIST PER ASSY.

NAVY NONE — HEAT TREAT
Z-P-26P — FINISH

DRAFT 7-7-43 — CHECK 8-8-43

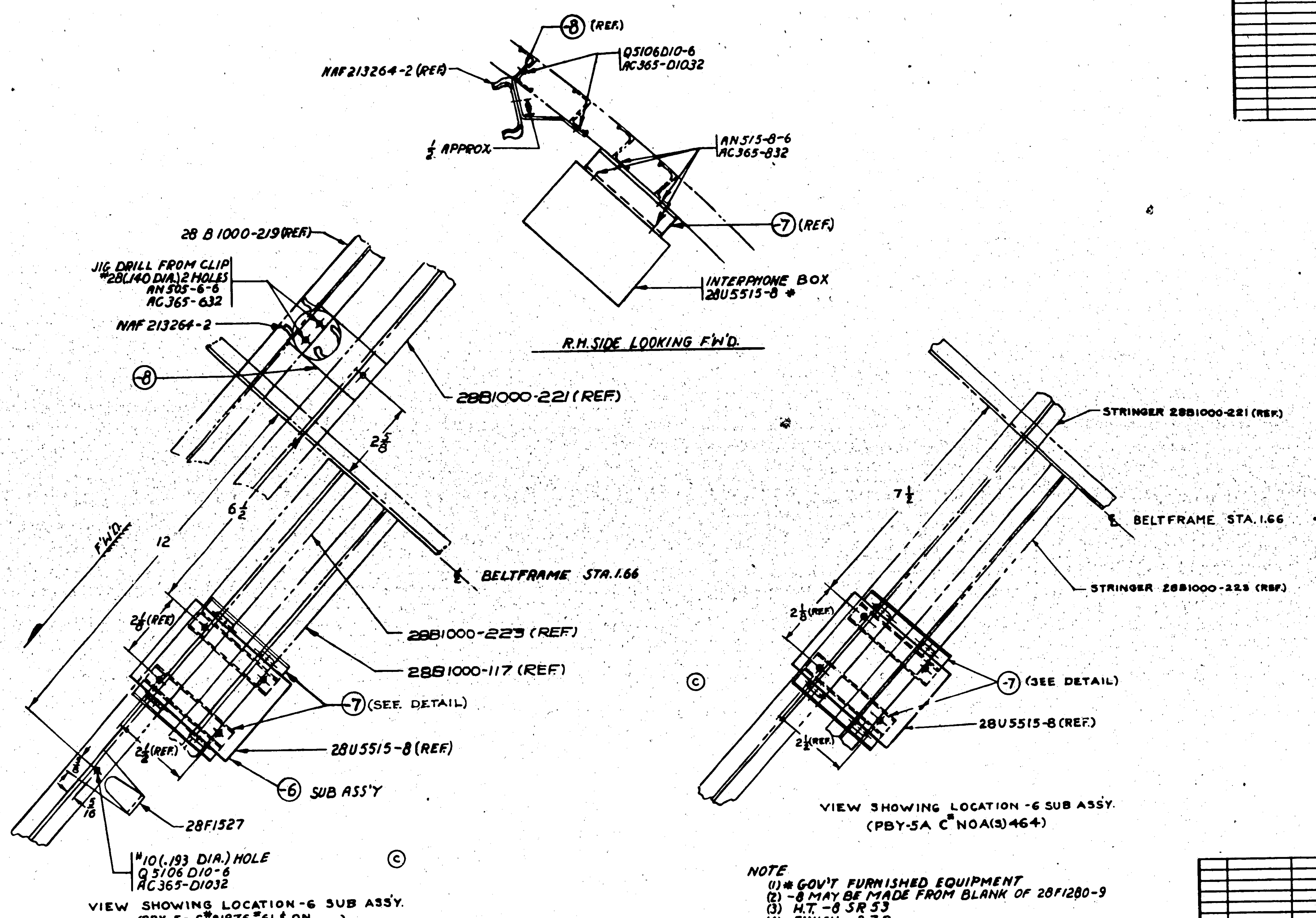
NAME: STOP - BOW GUN

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

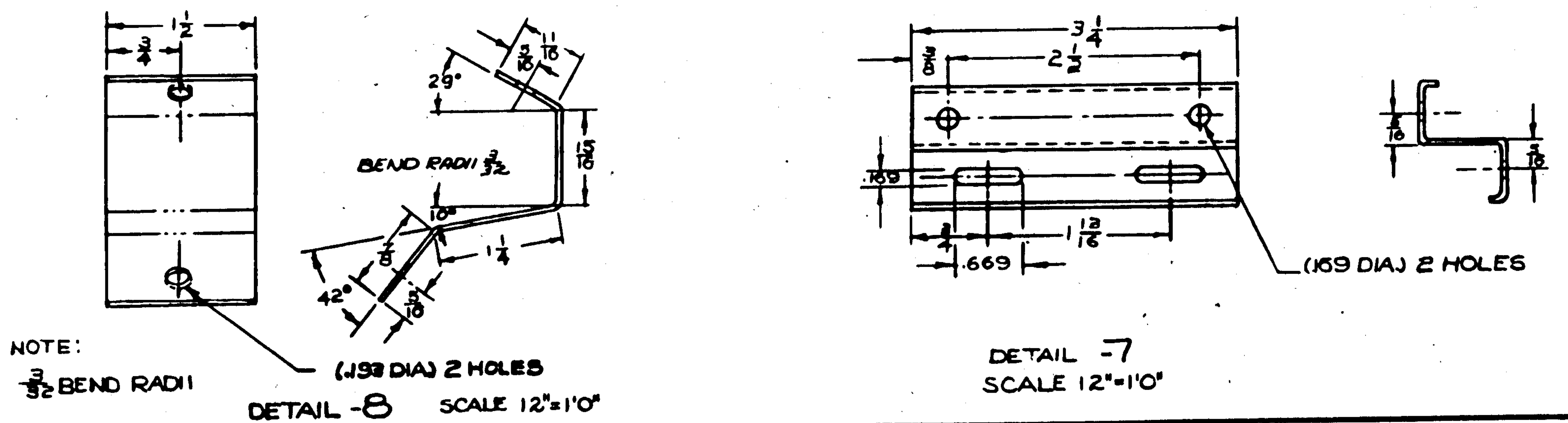
DWG. G 28F6348

28F6348 R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				B	TRACED ADDED DETAIL -7 & -8 NO WT. CHG.	6-5-43	
				C	ADDED VIEW OF INSTALL'N. -6 SUB ASSY. FOR PBY-5A C# NOA(S)464, & LIMITED EXISTING VIEW TO PBY5 C# 91876 #61 & ON, & PBY-5A C# 88476 #53 TO 146. NO WT CHG.	9-15-43	



NOTE
(1) * GOV'T FURNISHED EQUIPMENT
(2) -8 MAY BE MADE FROM BLANK OF 28F1280-9
(3) H.T. -8 SR 53
(4) FINISH -8 Z-P
(5) FINISH -7 Z-P-AP



NOTE:
3/32 BEND RADII

DETAIL -8 SCALE 12"=1'0"

DETAIL -7
SCALE 12"=1'0"

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

#61 & ON C. 91876
#53 & ON C. 88476
#61 & ON C. 91876
#53 & ON C. 88476

DASH NO.	MODEL	NEXT ASSY.	NO.
-8	PBY-5	28F6402	1
-8	PBY-5A	28F6402	1
-0	PBY-5	28F6405	1
-0	PBY-5A	28F6405	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6400 OF 1-28-42 | REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 ± 1/2° | SCALE 6"=1'0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -8
AN515-8-6				4				
AC365-832				4				
* 28U5515-8	INTERPHONE BOX TYPE MI-302			1				
-7	Y-3/8-A7RT X 3 1/4			2				
-6	SUB ASS'Y							
AC365-D1032				3				
AC365-832				4				
AC365-632				2				
AN505-6-6				2				
AN515-8-6				4				
Q5106D10-6				3				
NAF213264-2				1				
28F1527				1				
-8	.040 x 1 5/8 x 4 1/2	ALCLAD	47A6-A	1				
-6	SUB ASS'Y			1				

PARTS LIST PER ASSY.

A C		SIMS					
NAVY NOTED	NOTED	1-28-42		3-20-42			
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	PROC.	ENG

NAME INSTALL-FURN'S-INTERPHONE BOX-COPILOT'S-F'W'D STA. 1.66

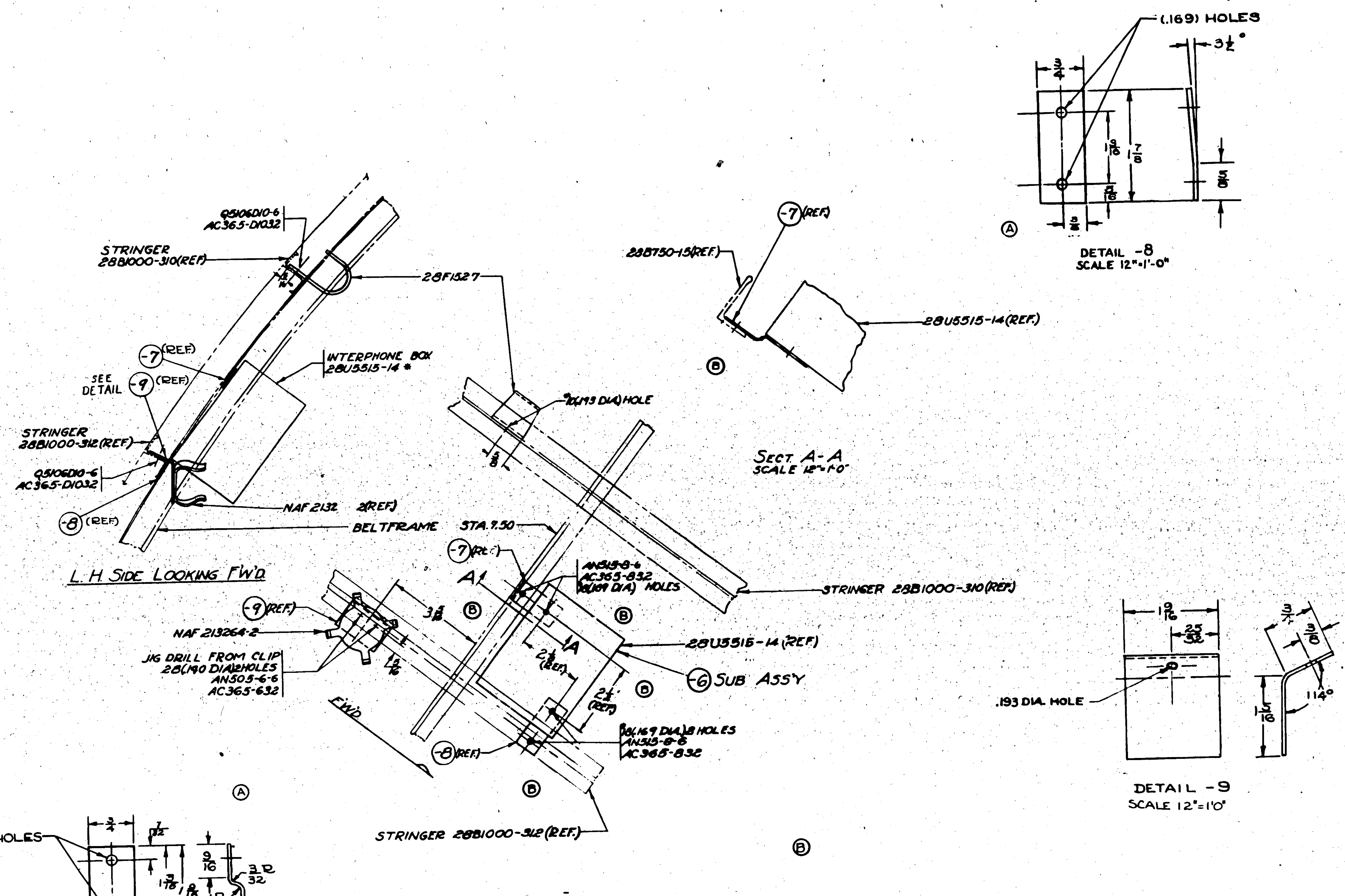
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

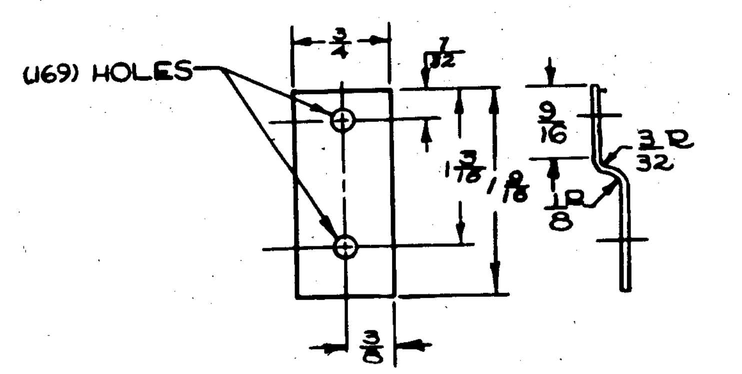
OPP. HAND —

SIZE G | DWG. 28F6400

R 28F6400

LET	ALTERATION	DATE	BY
A	ADDED DETAILS -7, -8 & -9 & REMOVED DETAILING DIMS -7 & -8 FROM INSTALL. NO WT. CHG.	5-25-41	
B	REMOVED SECT. B-B NO WT. CHG.	5-25-41	





DETAIL -7
SCALE 12"=1'-0"

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTES
(1) -7 MAY BE MADE FROM BLANK OF 28F1280-11
(2) -8 MAY BE MADE FROM BLANK OF 28F1280-10
(3) -9 MAY BE MADE FROM BLANK OF 28F5085-194
(4) H.T. -7 SR-53
(5) * GOV'T FURNISHED EQUIPMENT

CONT. #31876 #61 ¢ ON
CONT. #88476 #50 ¢ ON

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AC365-832				1
AN515-8-6				2
* 28U5515-14	INTERPHONE BOX TYPE NI-301			1
-8	.040 x 7/8 x 2	ALCLAD	47A8-T	1
-7	.040 x 3/4 x 1 7/8	ALCLAD	47A8-A	1
-6	SUB ASS'Y			
Q5106D10-6				2
AC365-D1032				2
AC365-832				2
AC365-632				2
AN505-6-6				2
AN515-8-6				2
NAF213264-2 *				1
28F1527				1
-9	.064 x 1 1/8 x 2 1/16	ALCLAD	47A8-T	1
-6	SUB ASS'Y			1

PARTS LIST PER ASSY.

ASSY. DASH No	MODEL	NEXT ASSY	REQ.
-0	PBY-5	28F6405	1
-0	PBY-5A	28F6405	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ±1/64 & 1/2° — SCALE: 6"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

A C		SIMS					
NAVY NOTED	Z-P-AP	1-28-41			3-10-41		
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME INSTALL-FURN'S-INTERPHONE BOX-TAIL GUNNERS STA 7.50

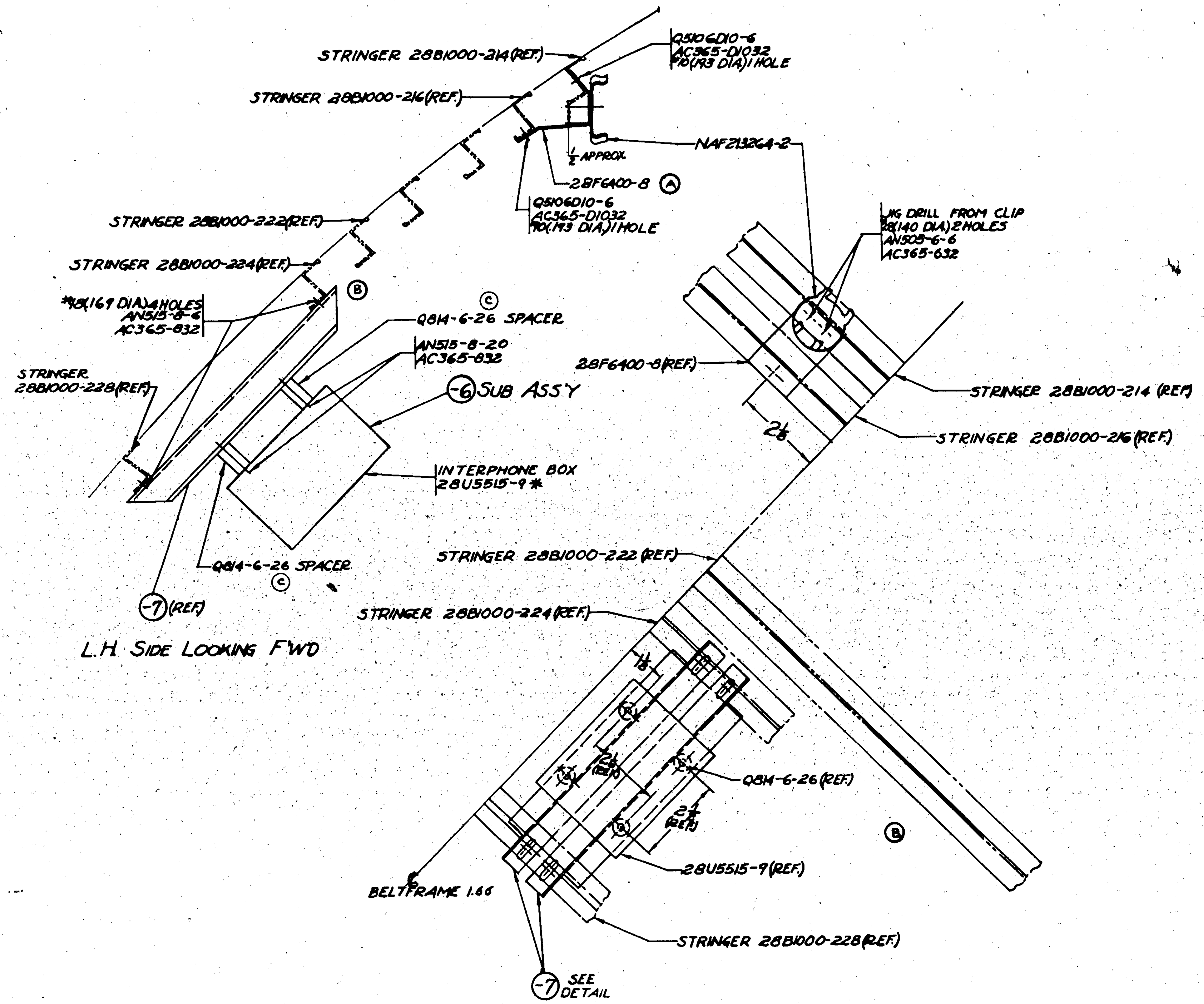
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

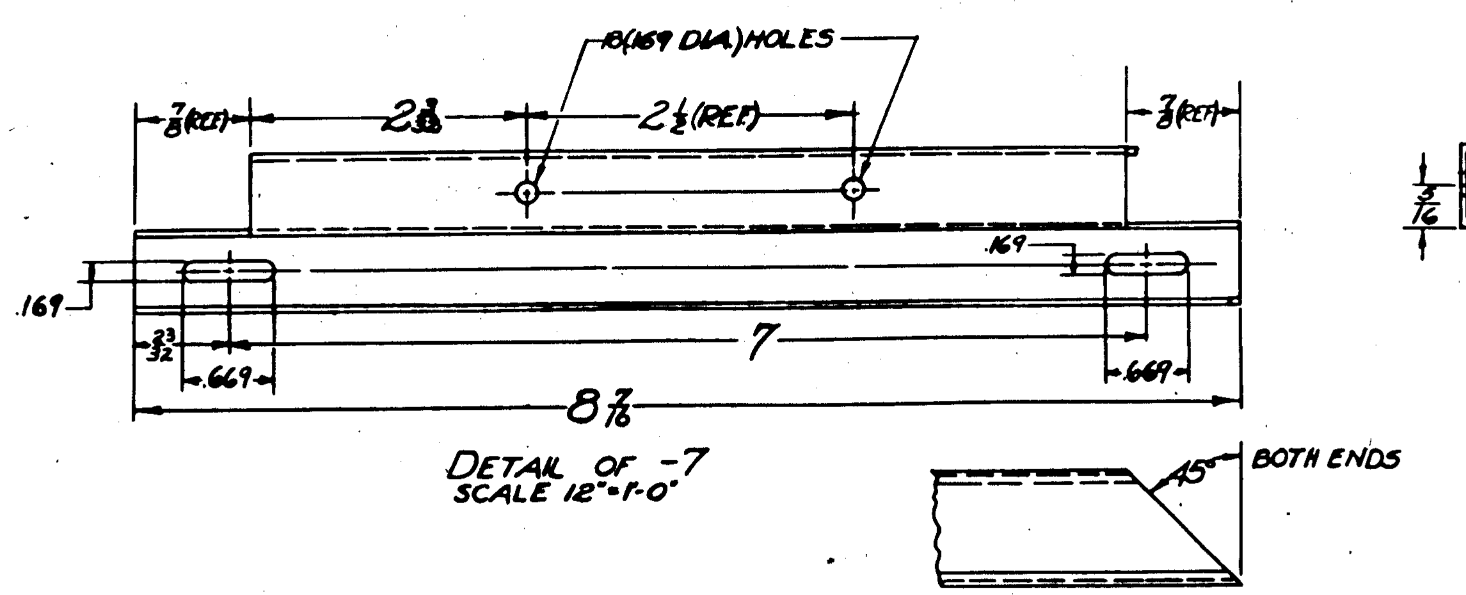
DWG. SIZE G — 28F6401

P

	LET	ALTERATION	DATE	BY
E.O.#A30835	A	28F6400-8 WAS 28F6300-8	4-24-42	
E.O.#A38905	B	REMOVED 28F1527 & Q5106-D10-6 (2 WAS 3) & AC365-D1032 (2 WAS 3) WT. CHG. NEG.	4-24-42	
E.O.A98821	C	Q814-6-26 (4 REQ) WAS Q814-6-28 (4 REQ) WT. CHG. NEG.	2-3-43	



NOTE (1) * GOV'T FURNISHED EQUIPMENT



DETAIL OF -7
SCALE 12" = 1'-0"

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AC365-832				4
AN515-8-20				4
28U5515-9	INTERPHONE BOX			1
Q814-6-26				4
-7	K14030 X 8 7/16	AL. AL. EXTR.	46A9-T	2
-6	SUB ASS'Y			
Q5106D10-6				2
AC365-D1032				2
AC365-832				4
AC365-632				2
AN515-8-6				4
AN505-6-6				2
NAF213264-2	*			1
28F6400-8				1
-6	SUB ASS'Y			1

PARTS LIST PER ASSY.

	ASSY DASH NO	MODEL	NEXT ASSY	REQ.
C-#41876 (#61 & ON)	-0	PBY-5	28F6405	1
C-#88476 (#53 & ON)	-0	PBY-5A	28F6405	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

AC

NAVY NONE — HEAT TREAT

Z-P-AP — FINISH

DRAFT: SMS 1-30-42 — CHECK: OTO — STRUCT — MAT: 3-20-42 — APPROV — ENG

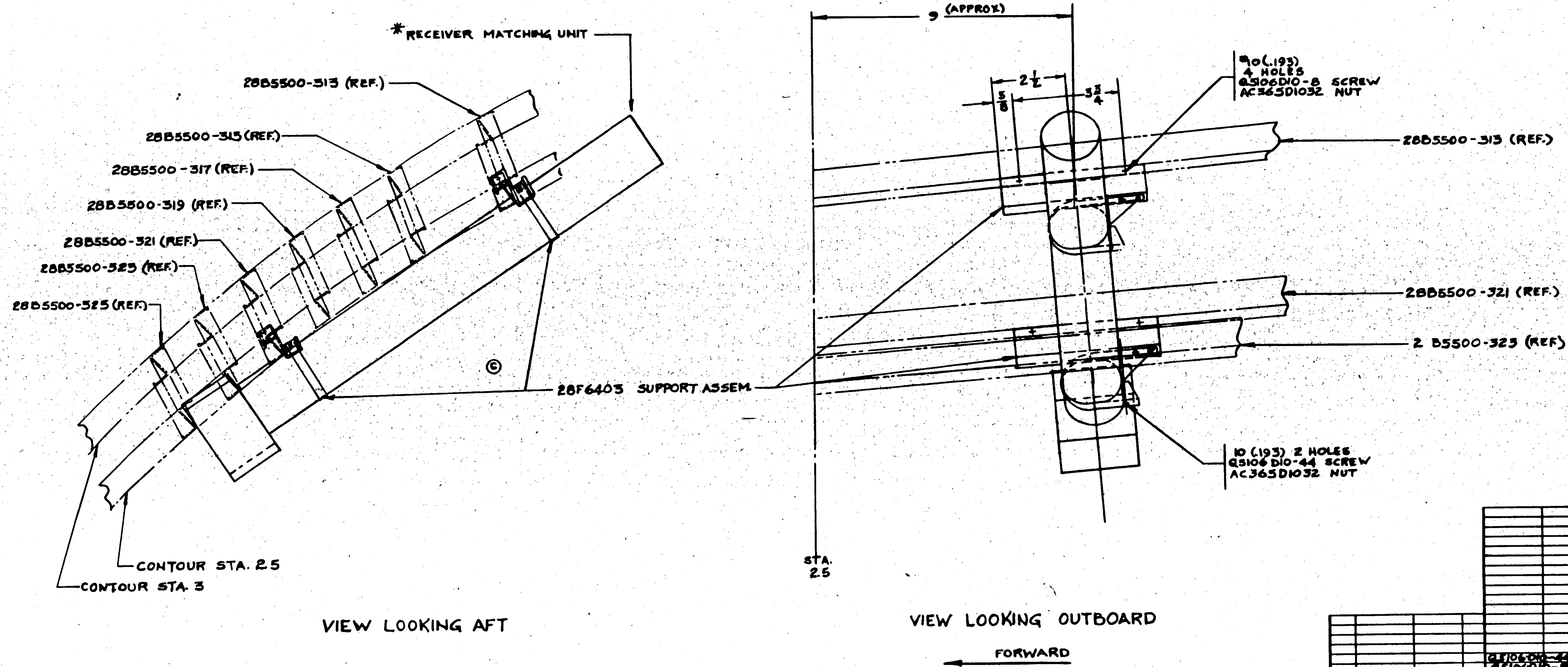
NAME INSTALL - FURN'S - INTERPHONE BOX - PILOT'S STA. 1.66

OPP. HAND

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SIZE G — DWG. 28F6402

LET	ALTERATION	DATE	BY
A	REL. AFTER RUSH RELEASE		
B	CHANGE DRWG. NO. 28F6404 WAS 28F6304	[illegible]	[illegible]
C	REVERSED ZEE SUPPORTS IN VIEW LOOKING AFT (Dec. [illegible])	[illegible]	[illegible]



FINISH CODE	
Z	ANODIC TREAT.
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE.
1. CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACT 88476 & 91876
2. ON CONTRACT 70496 (33 AIRPLANES) & 77713 PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTAL.

* RECEIVER MATCHING UNIT MAY BE PURCHASED FROM ENGINEERING RESEARCH CO.

PART No	STOCK	MATERIAL	SPEC	REQ -0
QS106D10-44				2
QS106D10-8				4
*RECEIVER MATCHING UNIT				1
AC365D1032				6
28F6403				2

PARTS LIST PER ASSY.

CONTRACT	MODEL	NEXT ASSY	REQ.
91876	PBY-5	28F1002	1
70496, 77713, 88476	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT

ZP-AP — FINISH

OPP HAND NONE

NAME INSTALL - FURN'S - RECEIVER MATCHING UNIT

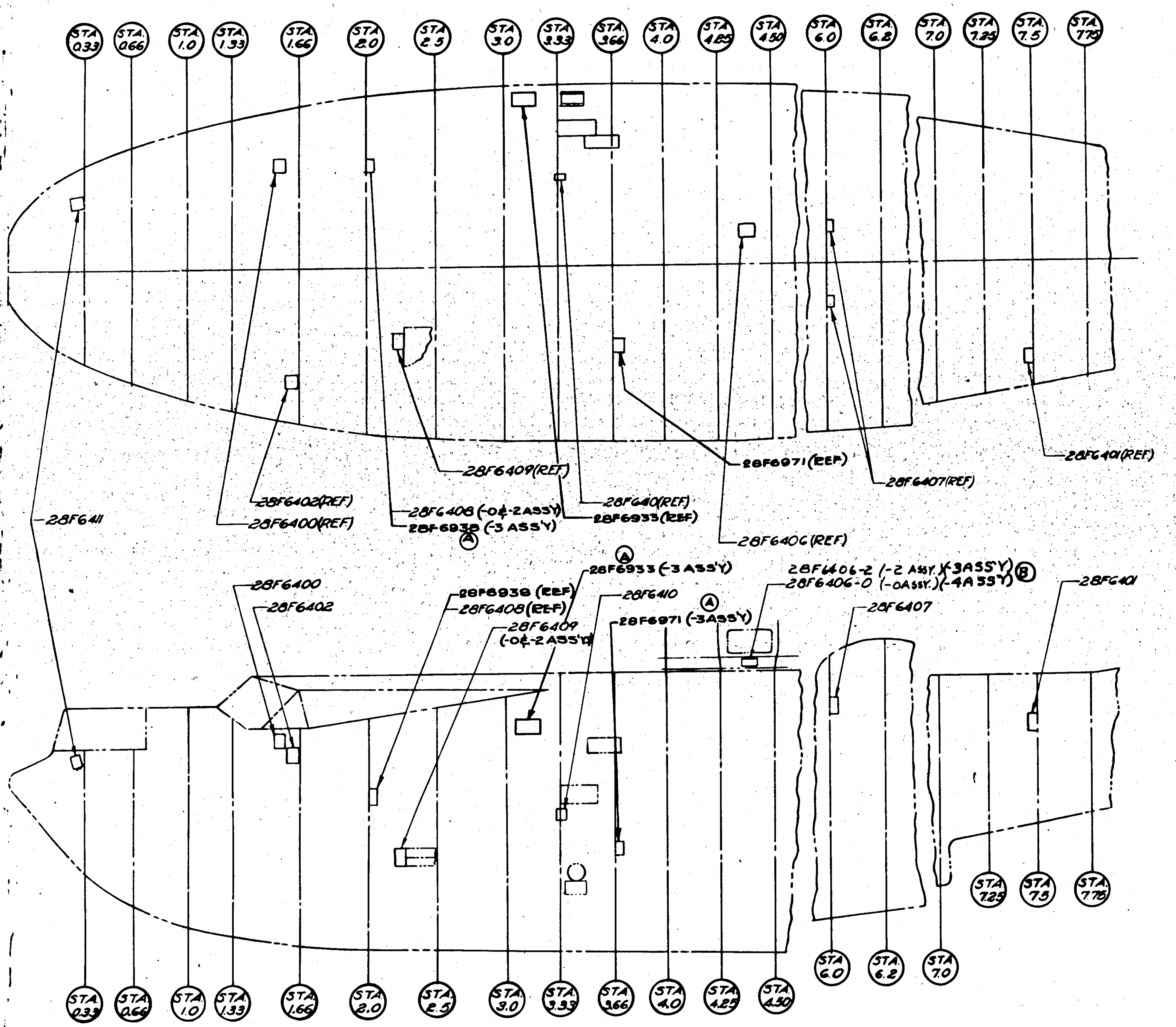
CONSOLIDATED AIRCRAFT CO. — SAN DIEGO, CALIF.

G 28F6404 (B)

R 2-23-42

E.O. A62837A

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	CREATED -3 ASS'Y. NO WT CHG.	[illegible]	[illegible]				
B	CREATED -4 ASS'Y. NO WT. CHG.	[illegible]	[illegible]				



NO. 00464
#90 & ON (C-91876)
C.#91876 SHIPS #61-89
C.#88476 SHIPS #53 & ON

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-4	PBY-5A	28F6002	1
-3	PBY-5	28F1002	1
-2	PBY-5	28F1002	1
-0	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC
28F6971	NAV. STATION BOX RL24B		
28F6938	RADAR OP'S INTERPHONE BOX		
28F6933	INTERPHONE JUNCTION BOX		
28F6406-2	MECH'S INTERPHONE BOX		
28F6411	BOMBER'S INTERPHONE BOX		
28F6410	RADIO OPER'S INTERPHONE BOX		
28F6409	NAV'S. INTERPHONE BOX		
28F6408	INTERPHONE JUNCTION BOX		
28F6407	WAIST GUNNER'S INTERPHONE BOX		
28F6406	MECH'S INTERPHONE BOX		
28F6403	PILOT'S INTERPHONE BOX		
28F6401	TAIL GUNNER'S INTERPHONE BOX		
28F6400	COPILOT'S INTERPHONE BOX		

REQ -0 | REQ -2 | REQ -3 | REQ -4 | REQ -5 (LH / RH)

PARTS LIST PER ASSY.

REPLACES — CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED — SCALE
STAMP PART NUMBER WHERE SHOWN

A C		SMS	[illegible]	GERBER	BALLAN	[illegible]	J.H.
NAVY NONE	NONE	1-21-42	2-24-42		3-30-42		WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

OPP. HAND

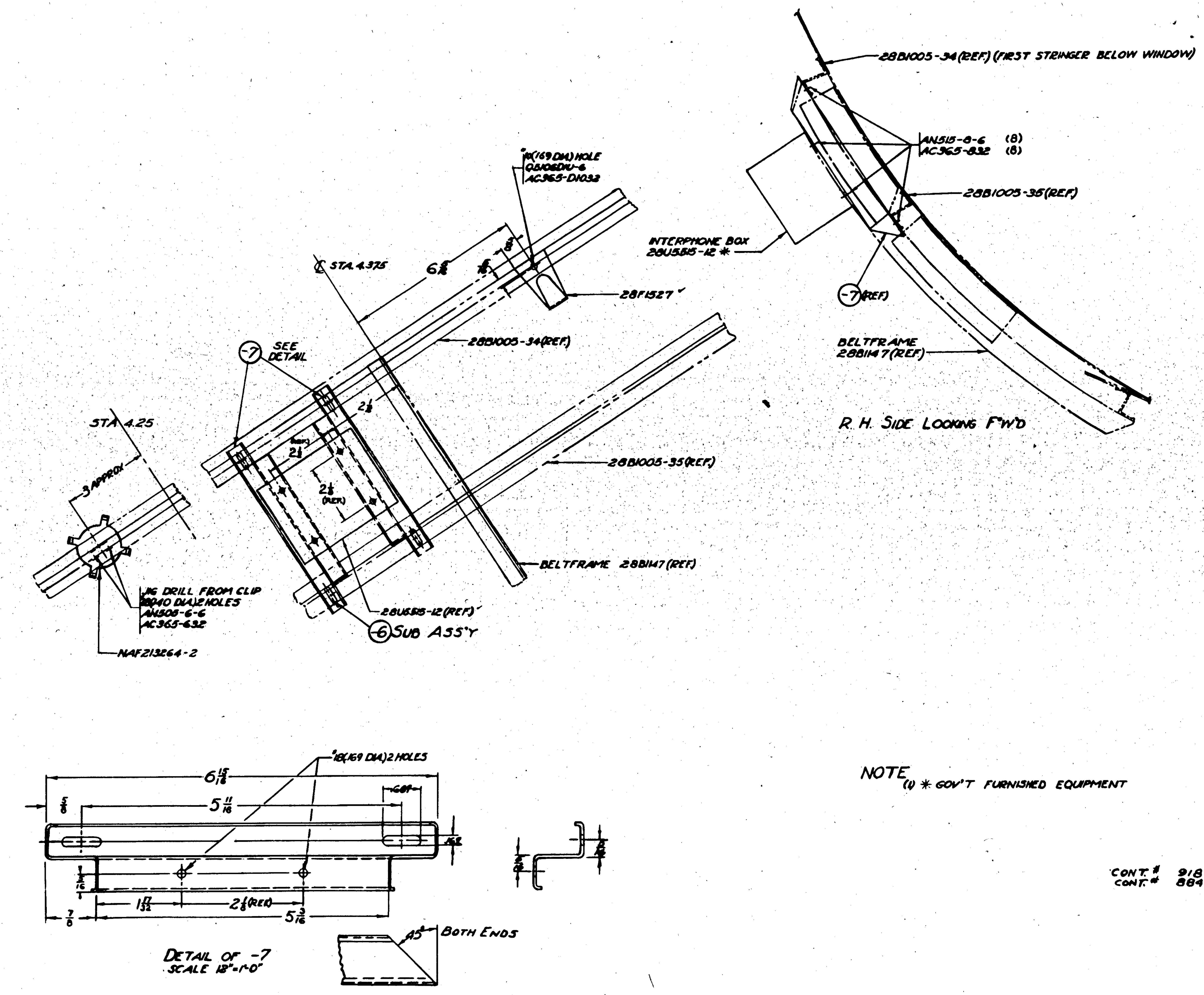
NAME INSTALL.-FURN'S-RL24B INTERPHONE EQUIP.

DWG SIZE G 28F6405

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	IN B/M FOR -7, REPLACED "K14040 X 7 1/8 AL.AL. EXTR. 46A9-T" WITH "Y-36-ATRT X 7 1/8" (WT. CHG. NEG.)	4-23-43	



NOTE
(1) * GOV'T FURNISHED EQUIPMENT

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONT. # 91876
CONT. # 88476

PART No	STOCK	-0 REQ.	-2 REQ.
AC365-832		4	
AN515-8-6		4	
* 28U5515-12	INTERPHONE BOX TYPE NI-301	1	
* 28U5515-18	INTERPHONE BOX TYPE NI-301	1	
-7	Y-36-ATRT X 7 1/8	2	
-6	SUB ASS'Y		
Q5106D10-6		1	1
AC365-632		2	2
AC365-832		4	4
AC365-D1032		1	1
AN515-8-6		4	4
AN505-6-6		2	2
NAF213264-2		1	1
28F1527		1	1
-6	SUB ASSY	1	1

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-2	PBY-5	28F6405	1
-0	PBY-5A	28F6405	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
SCALE: AS NOTED
STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT
FINISH: Z-P-AP
DRAFT: 2-8-42

NAME INSTALL-FURN'S-INTERPHONE BOX-MECH STA 4.375

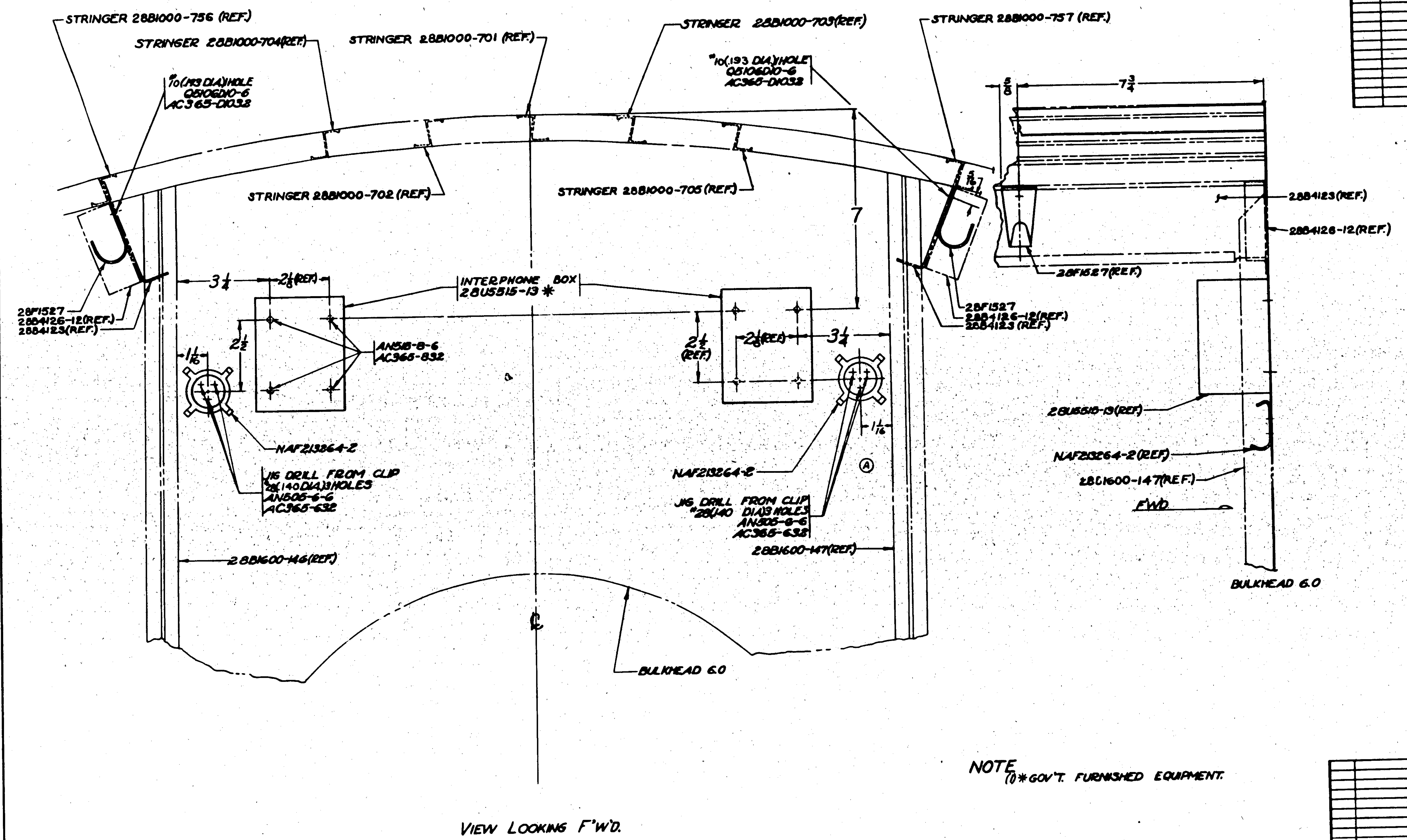
DWG G 28F6406

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	REMOVED DIMS 1 7/16 & 1 1/2. ADDED DIM. 1 1/16. NO WT. CHG.		

E.O. AS1671



NOTE
(1) * GOV'T. FURNISHED EQUIPMENT.

VIEW LOOKING F'W'D.

C# 91876-61 ℄ ON
C# 88476-536 ℄ ON

* 28U5515-13 INTERPHONE BOX TYPE N1-301 E

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
QS106D10-6				2				
AC365-D1032				2				
AC365-832				6				
AC365-632				6				
AN515-8-6				8				
AN505-6-6				6				
NAF213264-2 *				2				
28F1527				2				

PARTS LIST PER ASSY.

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6405	1
	PBY-5A	28F6405	1

REQUIREMENTS PER AIRPLANE

REPLACES | CALC. WT.
REPLACED BY | ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 | SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C							
NAVY NONE	NONE	SIMS 2-7-42	OTTO 2-29-42	GERBER	BALLAN 3/20/42	PACHL	JCH. WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

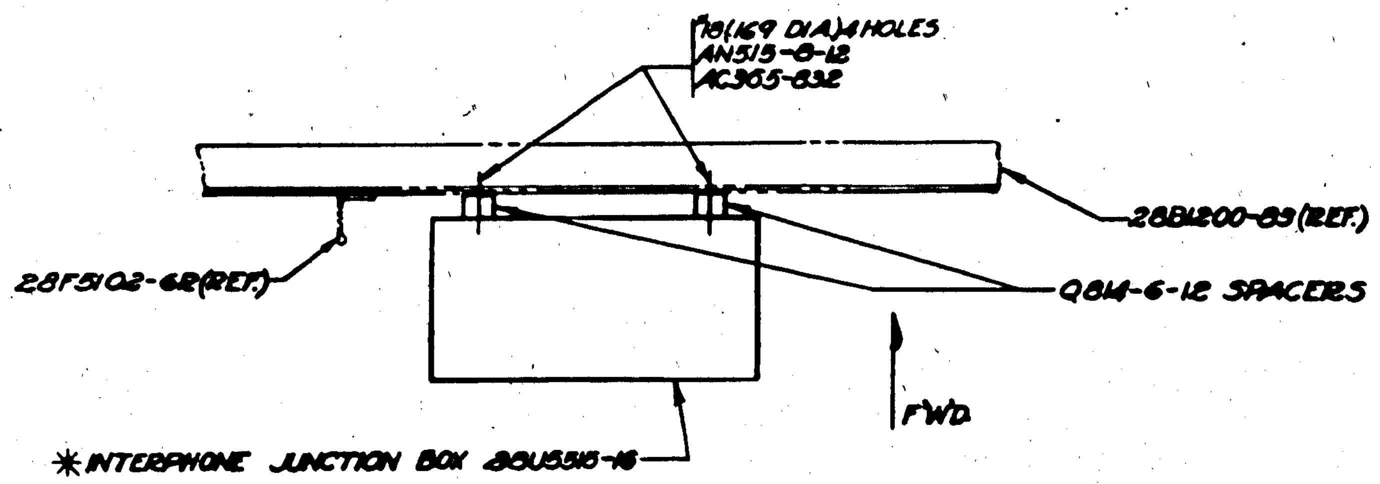
NAME INSTALL-FURN'S-INTERPHONE BOX-WAIST GUNNERS STA. 6.0

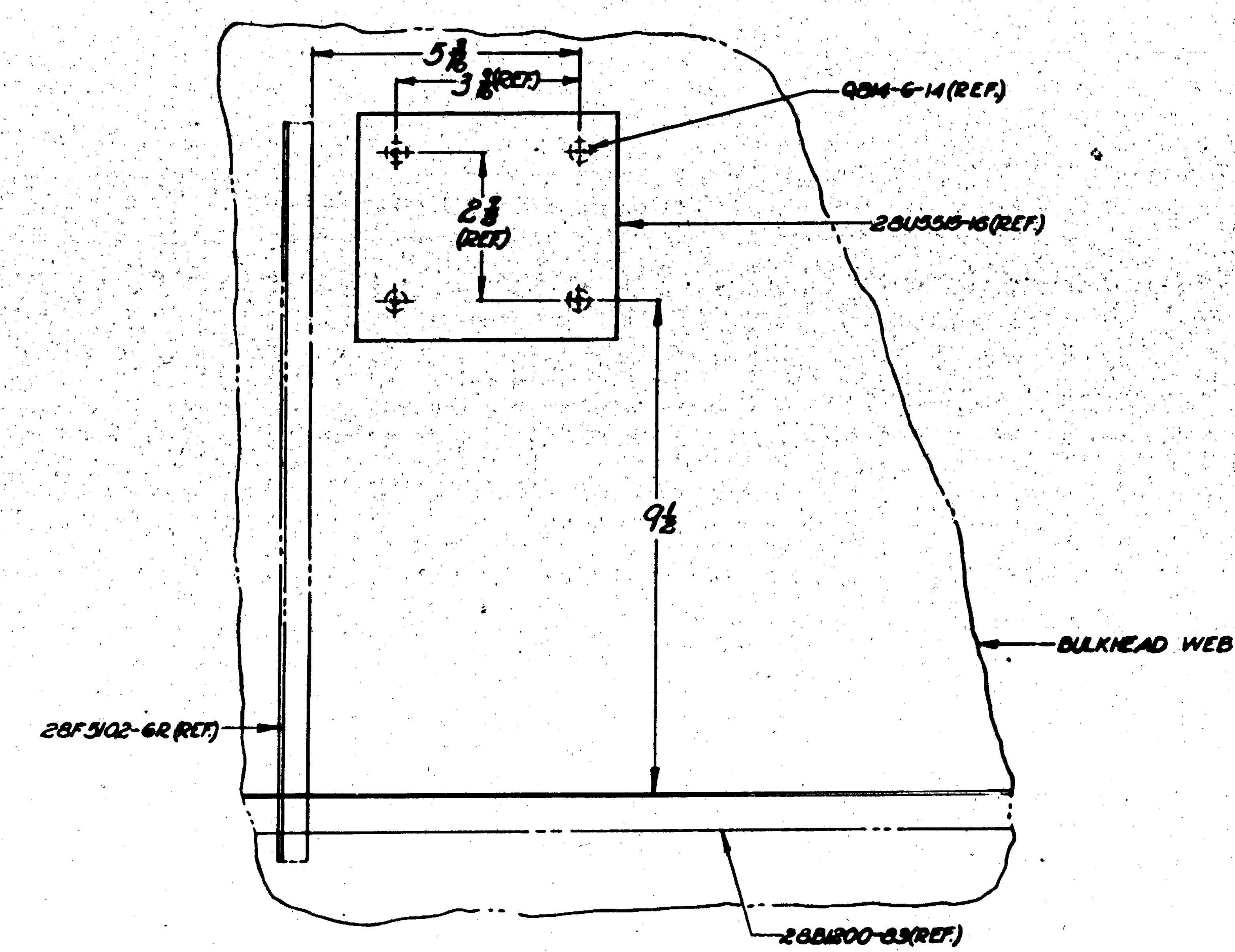
OPP. HAND

DWG SIZE G | 28F6407

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

R





VIEW LOOKING F'WD.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

CONT. # 91876
CONT. # 88476

ASSY. DASH No.	MODEL	NEXT ASSY.	No.
	PBY-5	28F6408	1
	PBY-5A	28F6408	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32 — SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
AC365-832				4				
AN515-8-12				4				
Q814-6-12				4				
28U5516-16 INTERPHONE JUNCTION BOX				1				

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NONE	SmS 2-7-42	2-27-42		3-20-42		
HEAT TREAT	FINISH						

NAME INSTALL-FURN'S-INTERPHONE JUNCTION BOX-STA 2.0

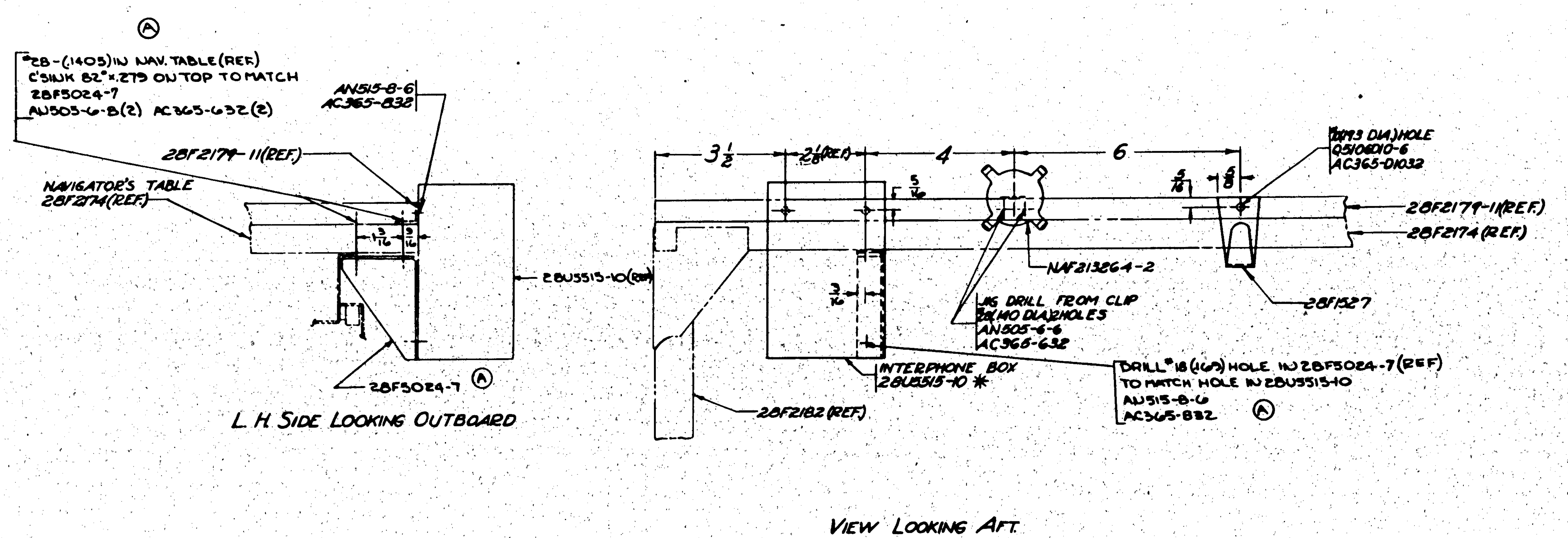
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG SIZE G — 28F6408

R

EOA 31583

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED NOTES "#28--AC365-632(2)" & "DRILL---AC365-832", 28F5024-7, AN505-6-8(2), AC365-832(3) WAS (2) AC365-632(4) WAS (2) & AN515-8-6(3) WAS (2) WT. CHG. +.01	3-6-42					
B	ADDED (1) REQ. FOR 28F5024-7 IN B/M. NO WT. CHG.	7-28-42	CLARK				
C	REPLACED BY 28F6971	10/6/42					
	CHANGED NOTE ON CONTRACT TO READ "91876 #61 TO #29	10/6/42					



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE (1) * GOV'T FURNISHED EQUIPMENT

* DENOTES G.F.E.

C#91876 — #61 TO #29 —
C#88476 — #53 ON —

ASSY. DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5	28F6405	1
	PBY-5A	28F6405	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY 28F6971 10/6/42 — ACT WT

SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0
Q5106D10-6				1
AC365-D1032				1
AC365-832				3
AC365-632				4
AN515-8-6				3
AN505-6-6				2
AN505-6-8				2
NAF213264-2 *				1
28F1527				1
28F5024-7				1
28U5515-10	INTERPHONE BOX			1

PARTS LIST PER ASSY.

A C							
NAVY NONE	Z-P-AP	SIMS 3-6-42	3-20-42		3-20-42		
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

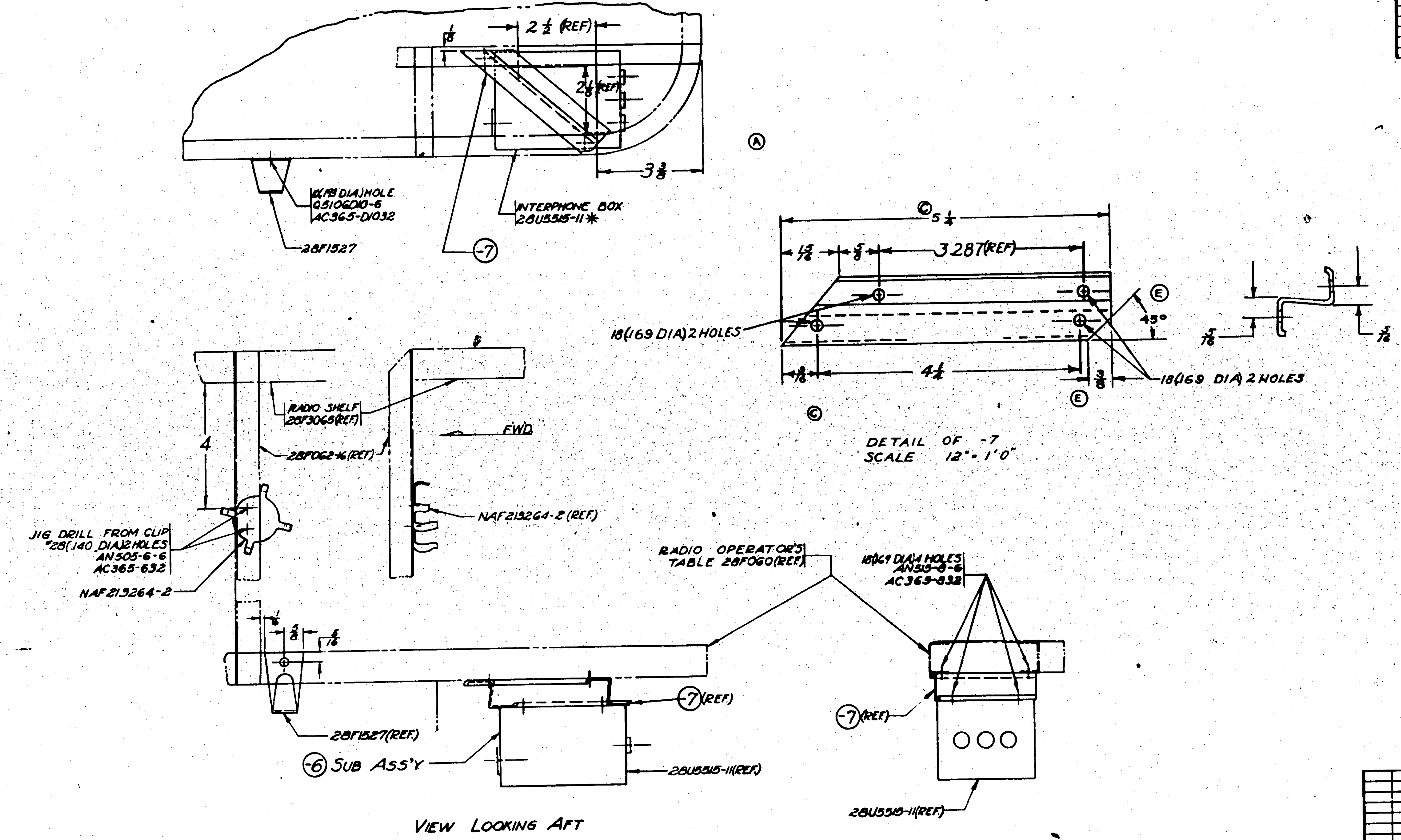
NAME INSTALL-FURN'S-INTERPHONE BOX-NAV'S FWD STA. 2.5

DWG SIZE G — 28F6409

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 3/21/42

LET	ALTERATION	DATE	BY
A	GAVE DEFINITE LOCATIONS OF -7 TO 28U5515-11.	8-7-42	[illegible]
B	IN B/M 28F6410-7 K9046 WAS 28F6410-7 K9408. NO WT. CHG.	8-8-42	[illegible]
C	IN TOP VIEW REVERSED DOTTED & SOLID LINES OF -7. DIM. "6" WAS "6 7/16". "4 7/8" WAS "5 1/8". WT. CHG. NEG.	12-30-42	[illegible]
D	IN B/M, FOR -7, REPLACED "K9048 x 6 7/8, AL. AL. EXTR. 46A9-T" WITH "Y-37-A8RT x 6 1/8" WT. CHG. NEG.	4-23-43	[illegible]
E	DETAIL OF -7, DIM 5 1/4 WAS 6. ADDED 45° & DIM. 3/8. REMOVED DIM 4 7/8. Y-37-A8RT x 5 3/8 WAS Y-37-A8RT x 6 1/8 IN B/M. NEG. WT. CHG.	8-18-43	WELCH



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE
(1) * GOV'T FURNISHED EQUIPMENT

CONT # 91876 (PBY-5)
CONT # 88476 (PBY-5A)

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-0	PBY-5	28F6405	1
-0	PBY-5A	28F6405	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32
SCALE: 6" = 1' 0" & NOTED
STAMP PART NUMBER WHERE SHOWN

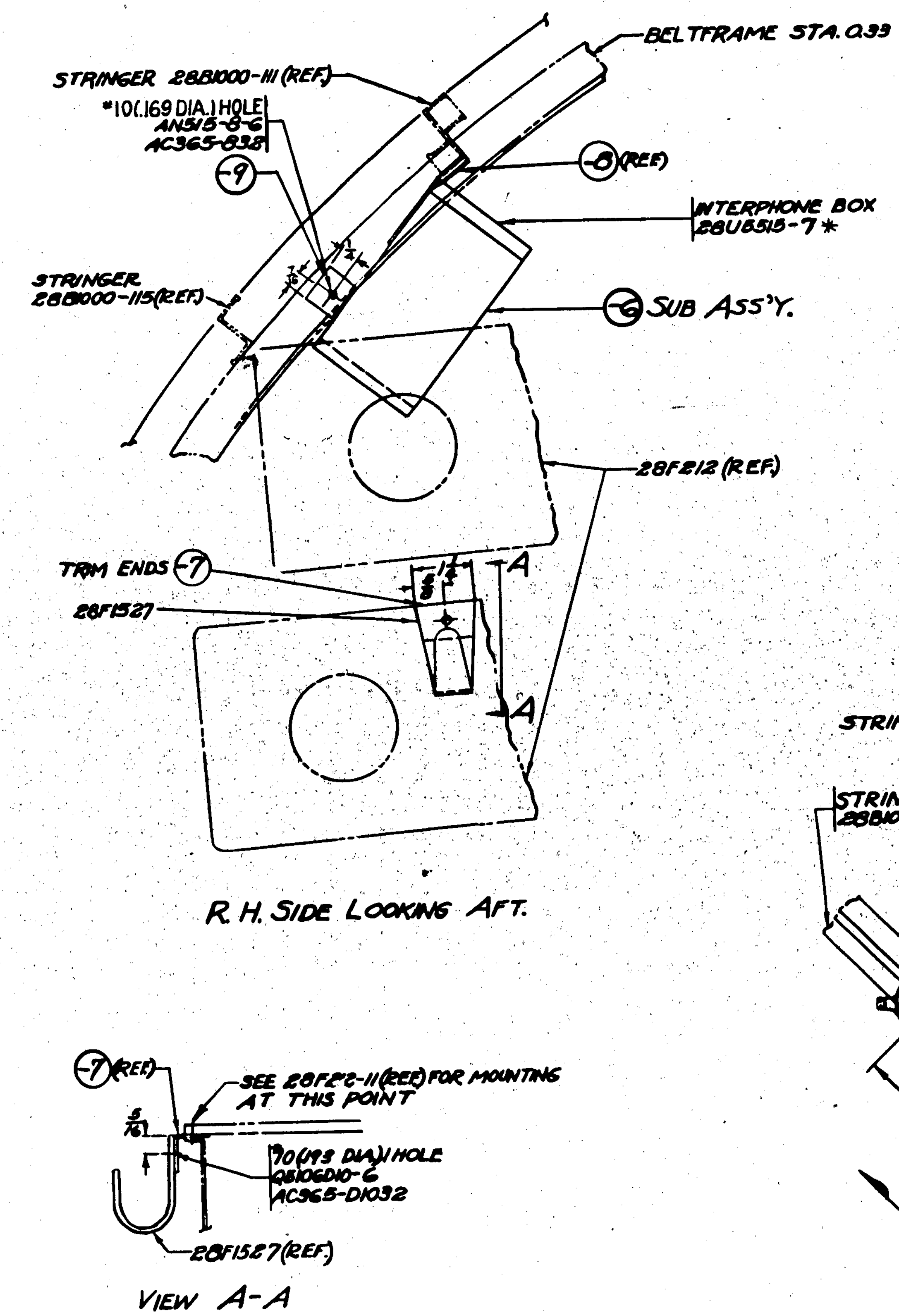
PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AC365-832				2
AN515-8-6				2
* 28U5515-11	INTERPHONE BOX TYPE NI-302			1
-7	Y-37-A8RT x 5 3/8			1
-6	SUB ASS'Y			
Q5106D10-6				1
AC365-632				2
AC365-832				2
AC365-D1032				1
AN515-8-6				2
AN505-6-6				2
NAF213264-2 *				1
28F1527				1
-6	SUB ASS'Y			1

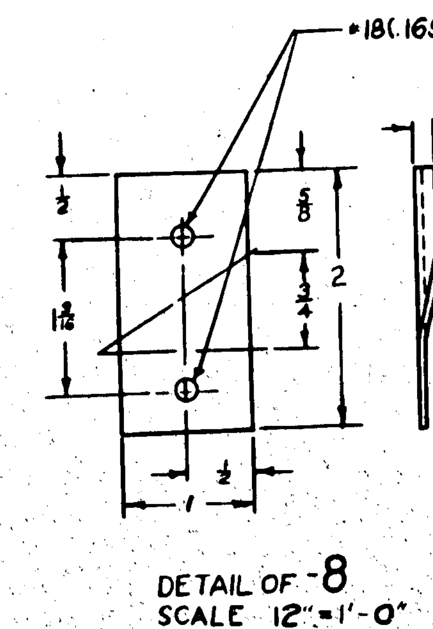
PARTS LIST PER ASSY. (REQ. columns -0, -2, -3, -4, -5; LH / RH)

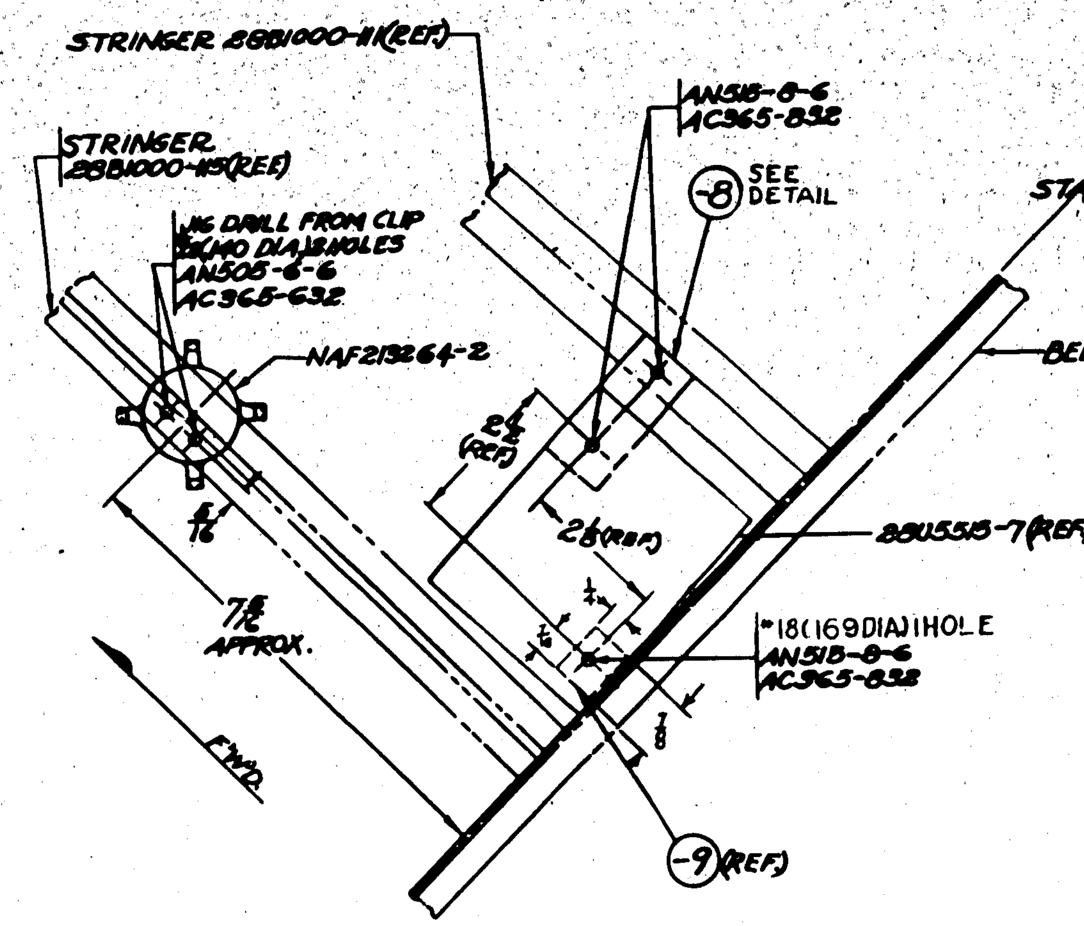
A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	Z-P-AP	JMS 2-12-42	OTO 2-24-42	[illegible]	BALL 3-20-42	[illegible]	W.C.H. WALD
HEAT TREAT	FINISH						

NAME: INSTALL-FURN'S-INTERPHONE BOX-RADIO OPER'S STA. 333
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND —
DWG SIZE G 28F6410
R
28F6410

LET	ALTERATION	DATE	BY
A	IN D/M FOR -7, REPLACED "K5401 X 1¼, AL. AL. EXTR., 4682-T" WITH "NOTED"; FOR -9, REPLACED "K5401 X 1, AL. AL. EXTR., SPEC. 4682-T" WITH "NOTED" ON FACE, REMOVED NOTE "#1-7 MAY BE MADE FROM 28F1280-8". ADDED MAT'L. NOTES #1 & #2. WT. CHG. NEG.	8-11-42	R.M.K.







NOTES
(1) *GOV'T. FURNISHED EQUIPMENT.
(2) H.T. -8 SR53.
(3) FINISH -7 & -9, Z-P-AP.
(4) FINISH -8, Z-P.
(5) -8 MAY BE MADE FROM BLANK OF 28F1280-S

MATERIAL NOTES-
1.- MAT'L. FOR -7 MAY BE-
(A) Y-2- A28T X 1⅜, OR
Ⓐ (B) K5401 X 1⅜, AL. AL. EXTR., SPEC. QQ-A-354-T, OR
(C) MAY BE MADE FROM 28F1280-8.
2.- MAT'L. FOR -9 MAY BE-
(A) Y-2- A28T X 1, OR
(B) K5401 X 1, AL. AL. EXTR., SPEC. QQ-A-354-T

CONT. #91876 61 & ON
CONT. #88476-53 & ON

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AC365-832				2
AN515-8-6				2
* 28U5515-7	INTERPHONE BOX TYPE NI-301			1
-9	NOTED	NOTED	NOTED	1
-8	.064x2½x1⅛	ALC.24SO	47A8-A	1
-6	SUB ASS'Y.			
Q5106D10-6				1
AC365-D1032				1
AC365-832				2
AC365-632				2
AN515-8-6				2
AN505-6-6				2
NAF213642 *				1
28F1527				1
-7	NOTED	NOTED	NOTED	1
-6	SUB ASS'Y.			1

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-0	PBY-5	28F6408	1
-0	PBY-5A	28F6408	1

REQUIREMENTS PER AIRPLANE

REPLACES / REPLACED BY / CALC WT / ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'0" & NOTED

STAMP PART NUMBER WHERE SHOWN

A C — NAVY NOTED — HEAT TREAT — NOTED — FINISH

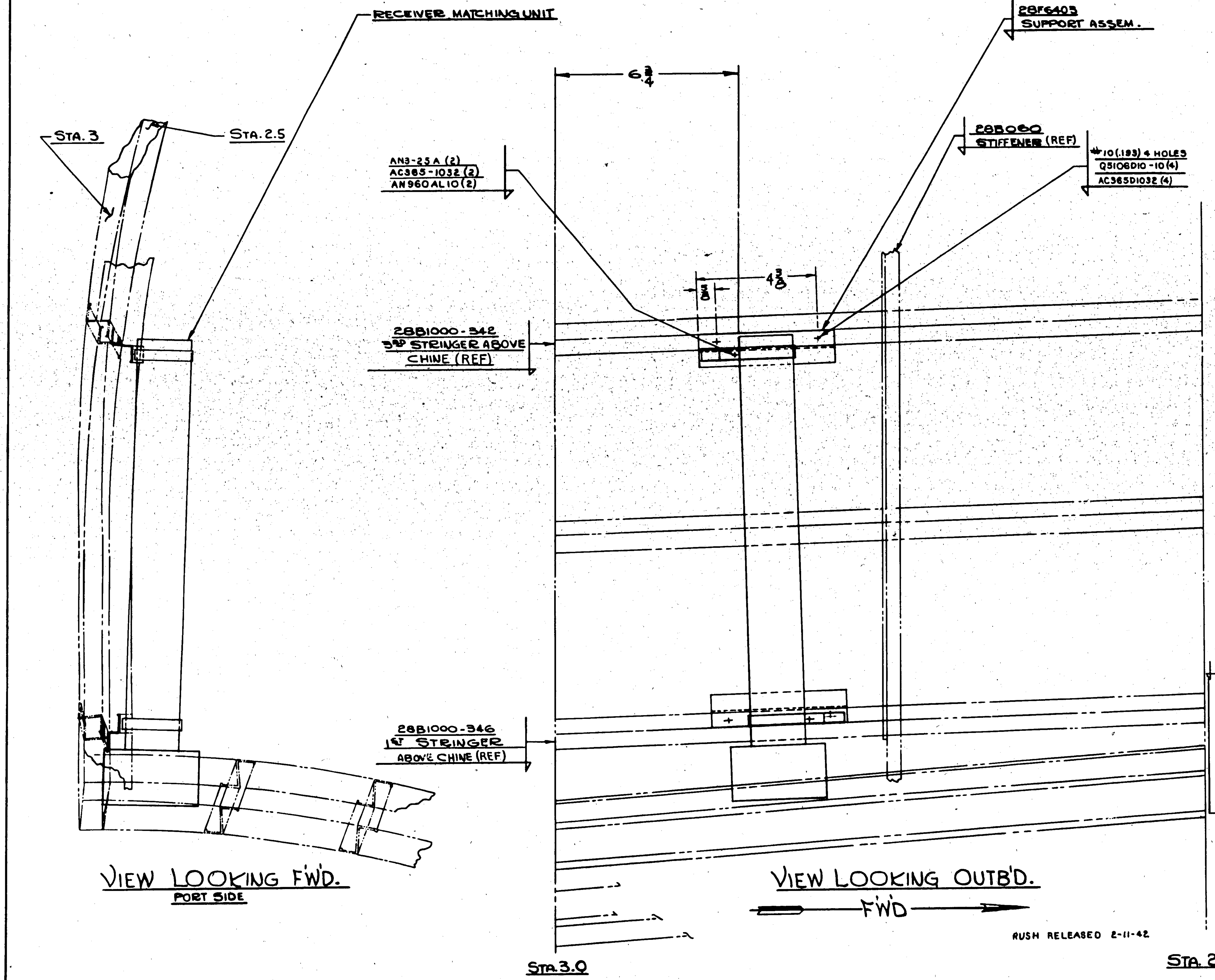
DRAFT: SmS 2-3-42 — CHECK — STRUCT — MAT — APPROV — ENG

NAME INSTALL-FURN'S-INTERPHONE BOX-BOMBER'S-STA. 0.33

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND —
DWG. SIZE G 28F6411

R 28F6411



RUSH RELEASED 2-11-42

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

FINISH
Z - ANODIC TREATMENT
P - P-27 PRIMER
AP - ALUMINIZED PPIMER

NOTE:-
1. CONTRACTOR INSTALLED.- ON ALL AIRPLANES OF CONTRACT #88476 & #91876.
2. ON CONTRACT #70496 (33 AIRPLANES) 4 #77713 PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTALLATION

CONTRACT #70496, #77713, & 88476
CONTRACT #91876

△ RECEIVER MATCHING UNIT
MAY BE PURCHASED FROM - ENGINEERING RESEARCH CO.

ASSY DASH No	MODEL	NEXT ASSY	REQ
	PBY-5	28F1002	1
	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	-0 REQ LH	-0 REQ RH
△ RECEIVER	MATCHING UNIT			1	
Q5106D-10-10				4	
AC365D1032				4	
AC365-1032				2	
AN3-25 A				2	
AN960AL10				2	
28F6403				2	
-6					

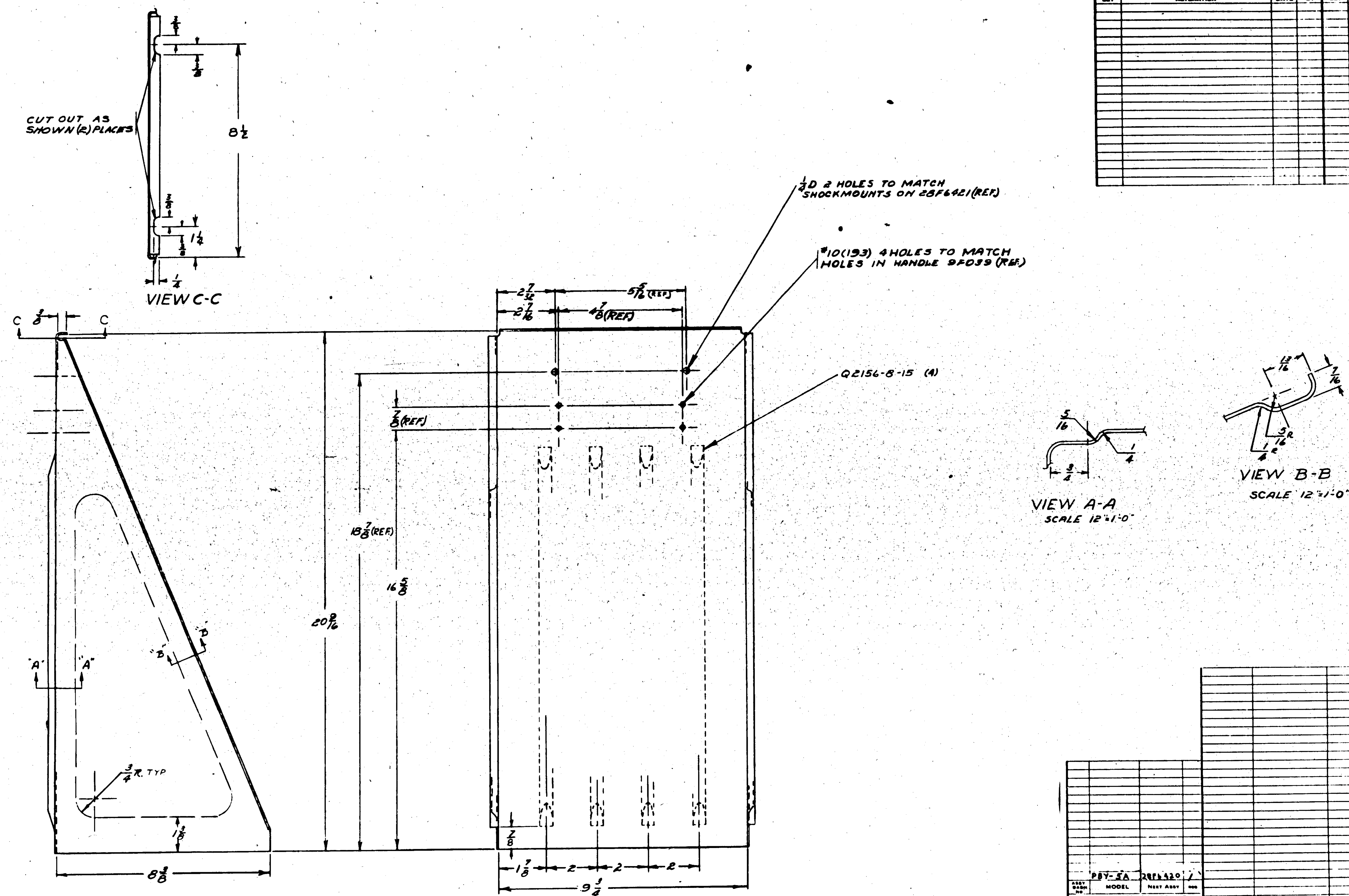
PARTS LIST PER ASSY. -0 -2 -3 -4 -5

REPLACES — CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C		READING	OTTO	GERBER	BALLAM	[illegible]	J.C.H.
NAVY NONE	ZP-AP	2-10-42	2-11-42		4-21-42	4-21-42	WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME INSTALL.- FURN'S - RECEIVER MATCHING UNIT (PORT)
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF
OPP. HAND
DWG SIZE G 28F6412

R



ASSY DASH No	MODEL	NEXT ASSY	REQ
	PBY-5A	28F6420	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT 1.77

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 — SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.051X22 x 28	24ST ALC	47A8-I					

PARTS LIST PER ASSY.

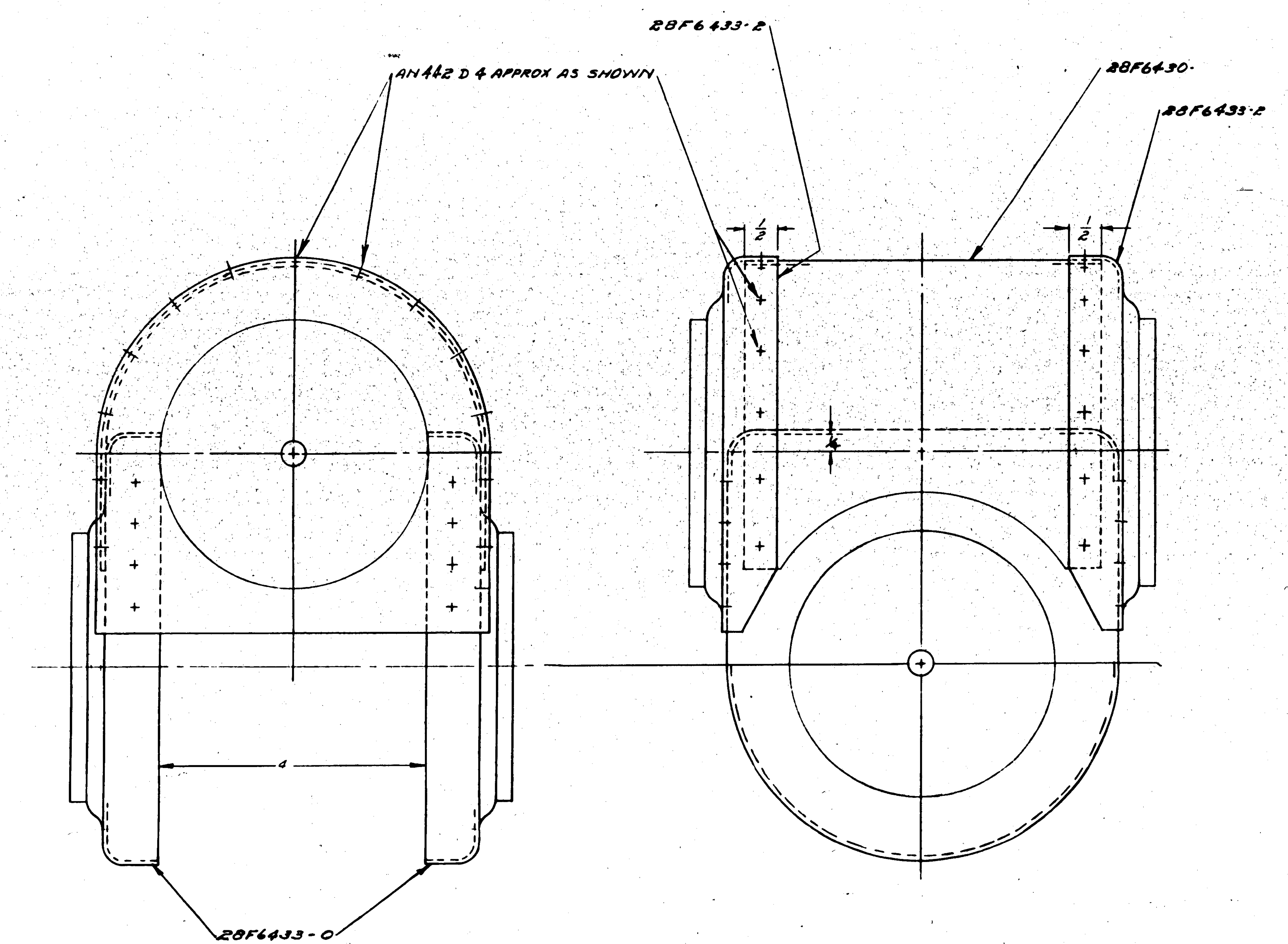
A C
NAVY NONE — HEAT TREAT
Z-P-GP — FINISH
DRAFT — CHECK — STRUCT — MAT — APPROV — ENG
OPP. HAND NONE

NAME SUPPORT-FURN-PILOTS VISUAL INDICATOR SHELL

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG SIZE G 28F6435

R



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN442D4								
28F6433-2				2				
28F6433-0				2				
28F6430				1				

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	REQ
-0	PBY-5A	28F6420	1

REQUIREMENTS PER AIRPLANE

REPLACES — 2.8 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32

SCALE: 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C

NAVY NONE

HEAT TREAT: NONE

FINISH: NONE

DRAFT | CHECK | STRUCT | MAT | APPROV | ENG

OPP. HAND NONE

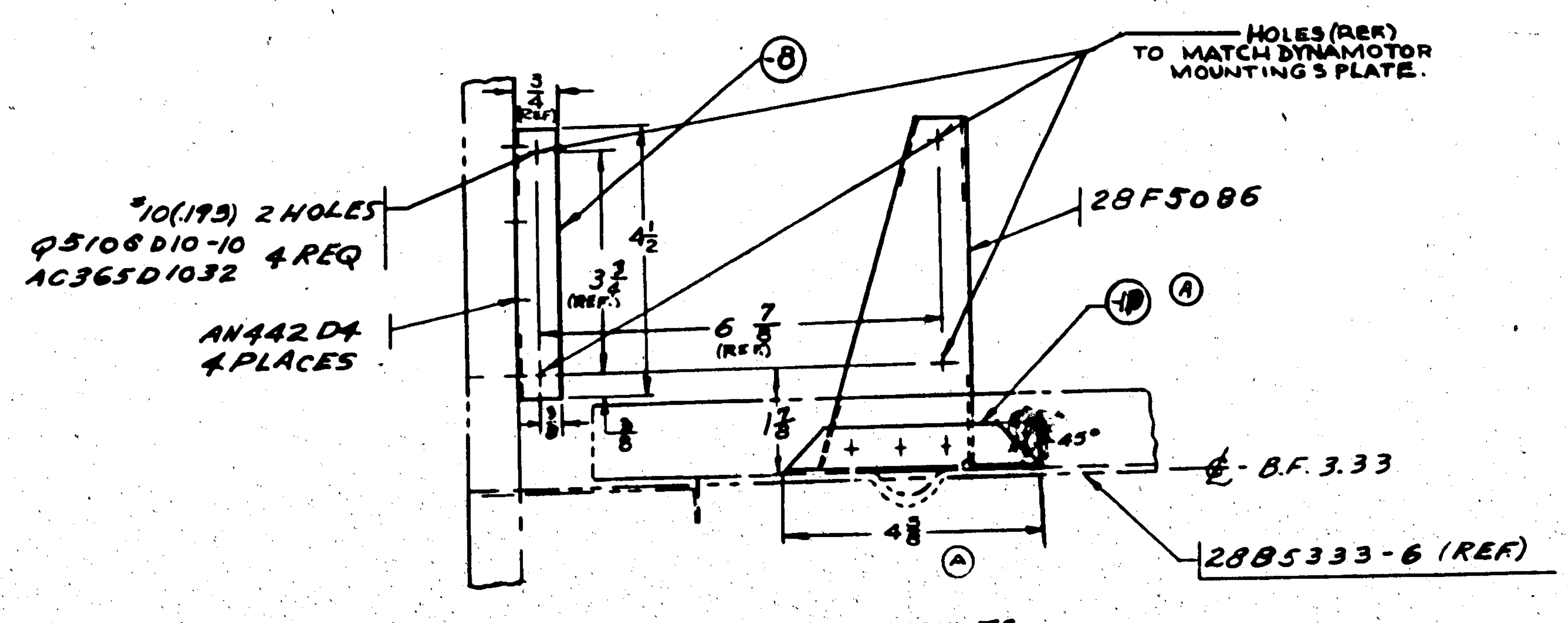
NAME ASS'Y-FURN-PILOTS VISUAL INDICATOR INNER LOCK BRACKETS.

DWG SIZE G — 28F6439

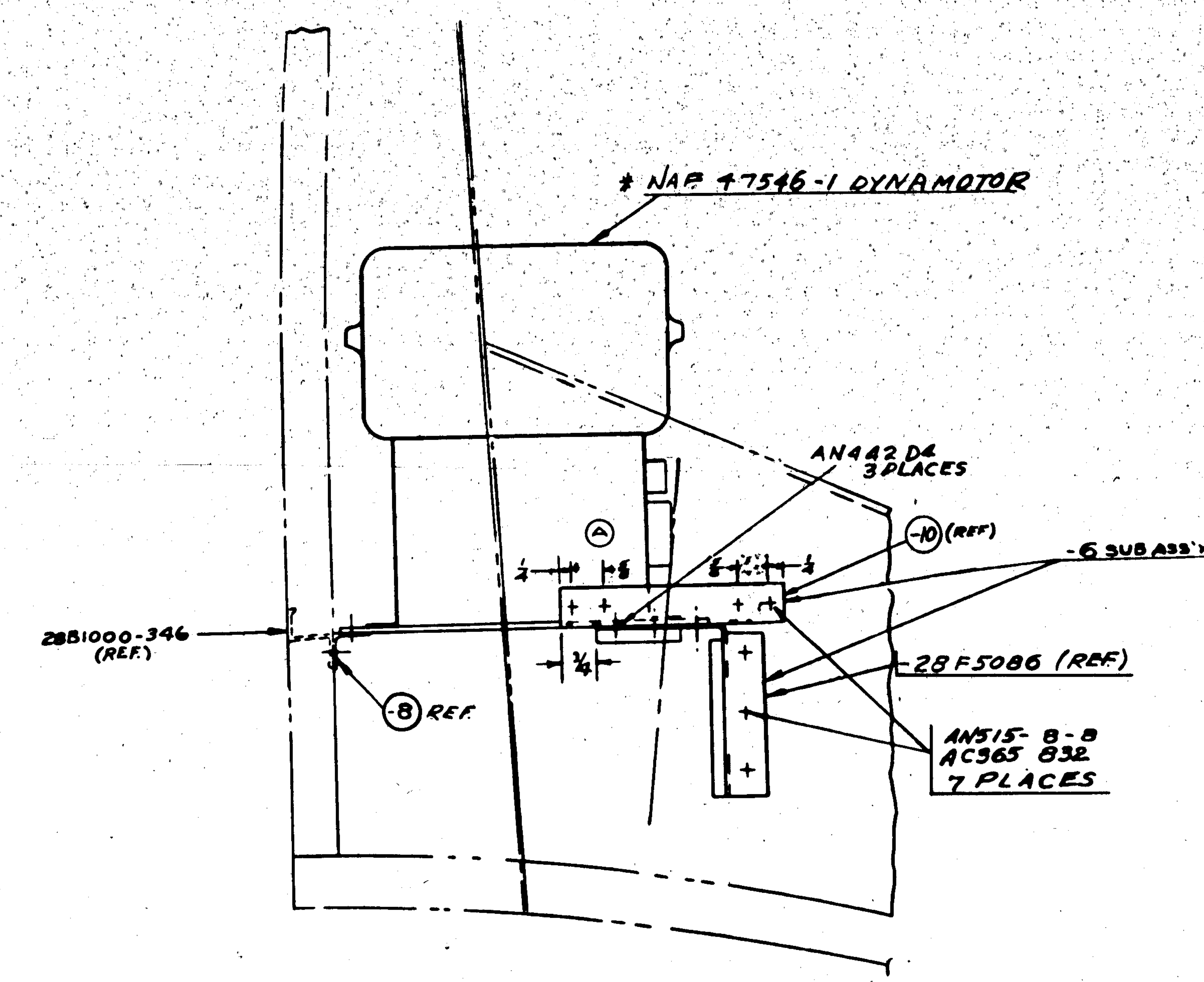
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	4 3/8 DIM. WAS 4 1/2.		
					ADDED 3/8 DIM (2 PLACES) &		
					1/4 DIM (2 PLACES) -10 WAS -7		
					WT. CHG. NCK -	6-15-42	



TOP VIEW OF MOUNTS WITH OUT DYNAMOTOR IN PLACE.



STAR'BD SIDE LOOKING AFT.

* GOV'T FURN. EQUIP.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC	REQ. -0	REQ -2	REQ -3	REQ -4	REQ -5
AN442-D4								
28F5086				1				
-10	K5401 x 4 1/2	AL. AL. EXTR.	46A9-T	1				
-6	SUB ASS'Y							
* DYNAMOTOR NAF 47546-1				1				
AN442-D4								
Q5106 D10-10				4				
AC365-832				7				
AN515-8-8				7				
AC365 D1032				4				
-8	K1288 x 4 3/8	AL. ALLOY	46A9	1				
-4	SUB ASS'Y			1				

PARTS LIST PER ASSY.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
CONT. #91876 (61 & ON)	PBY-5	28F6405	1
CONT. #88476 (53 & ON)	PBY-5A	28F6405	1

REQUIREMENTS PER AIRPLANE

REPLACES — 11.6# CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & 1/2° — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C						
NAVY	Z-P-AP	4-13-42			5-1-42	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV / ENG

NAME INSTALL - FURN'S - INTERPHONE DYNAMOTOR - B.F. - 3.33 -

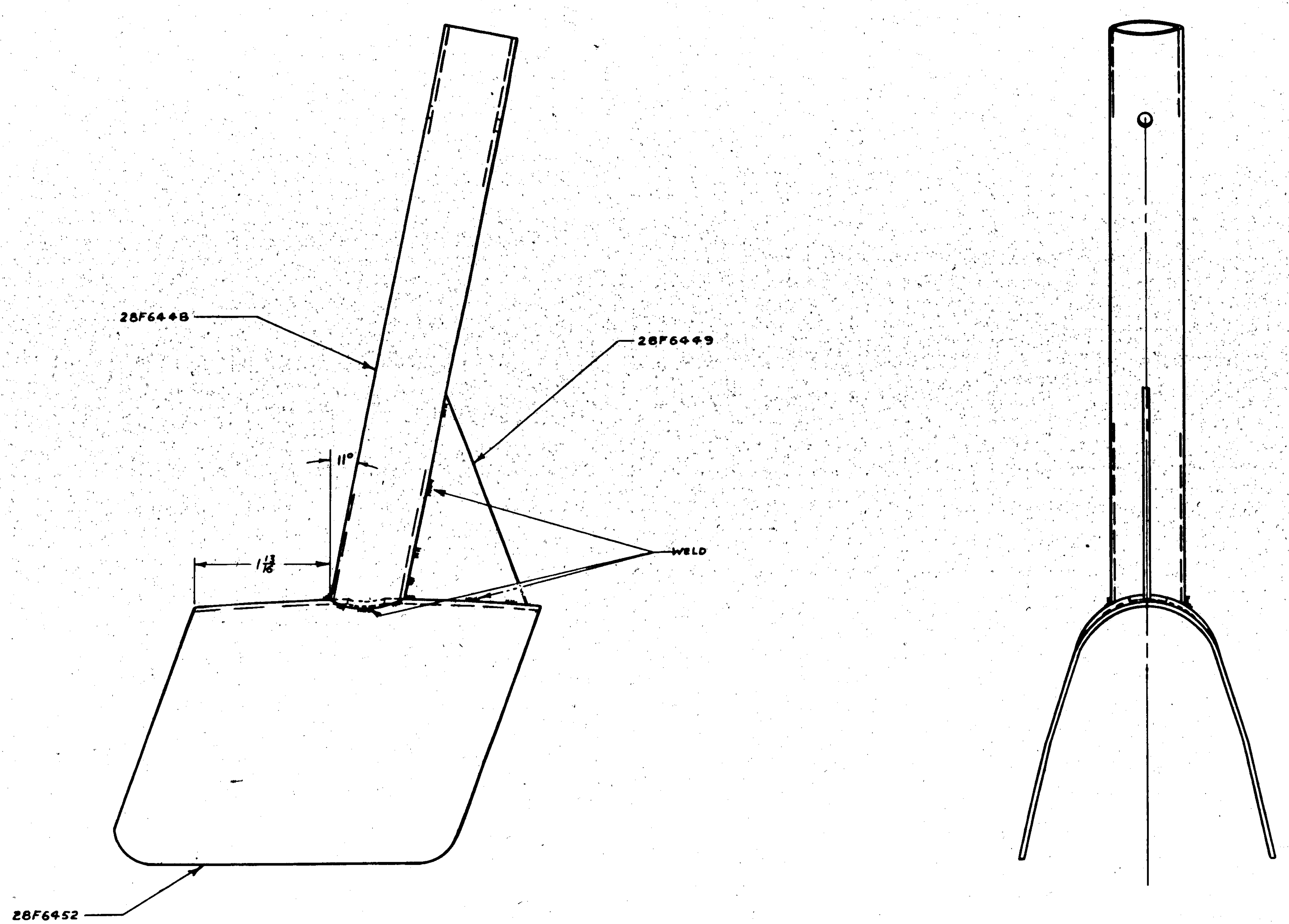
OPP HAND

DWG SIZE G — 28F6440

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

R

LET	ALTERATION	DATE	BY
A (M.C.R. 232-D)	IN REQ. BL'K ADDED "PBY-5A ⅝ 28F7596 (1)" & RESTRICTED TO M.C.R. 232-D. RESTRICTED "PBY-5A ⅝ 28F6454" TO SHIPS "UP TO M.C.R. 232-D" FOR C. NO's (S) 464. NO WT. CH'GE.	6-5-43	
B	IN FINISH BL'K Z-P-GP WAS Z-P-AP. ADDED "GP. GREEN PRIME" TO FINISH CODE. BL'K. NO WT. CH'GE.	6-5-43	



FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE
GP	GREEN PRIME

M.C.R. 232-D
C. 88477 (151 & ON)
C-91876 (91 & ON)
C.-88476 (53 & ON)
& (C. NO's (S) 464 UP TO M.C.R. 232-D.)

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5A	28F7596	1
	PBY-5B	28F6454	1
	PBY-5	28F6454	1
	PBY-5A	28F6454	1

REQUIREMENTS PER AIRPLANE

REPLACES — .31 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & ½° — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
28F6448				1				
28F6449				1				
28F6452				1				

PARTS LIST PER ASSY.

A.C. / NAVY NONE	Z-P-GP	MITCHELL 6-26-42	W.G. SIMS 7-16 W.E.W.	GERBER	ELDER	ARM-STRONG	J.C.H. WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

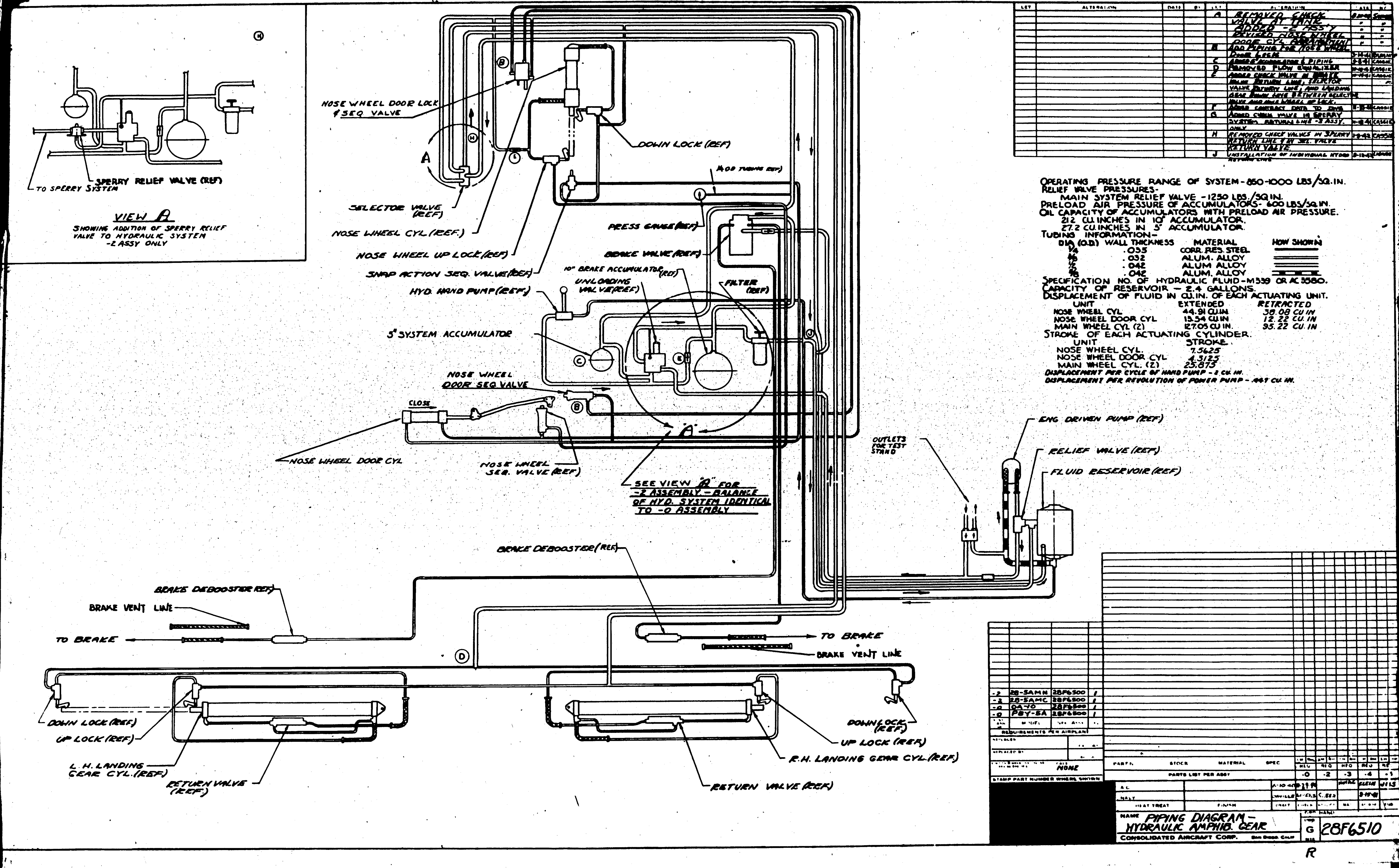
NAME SUPPORT ASS'Y.-FURN-ABK ANTENNA MAST

OPP. HAND NONE

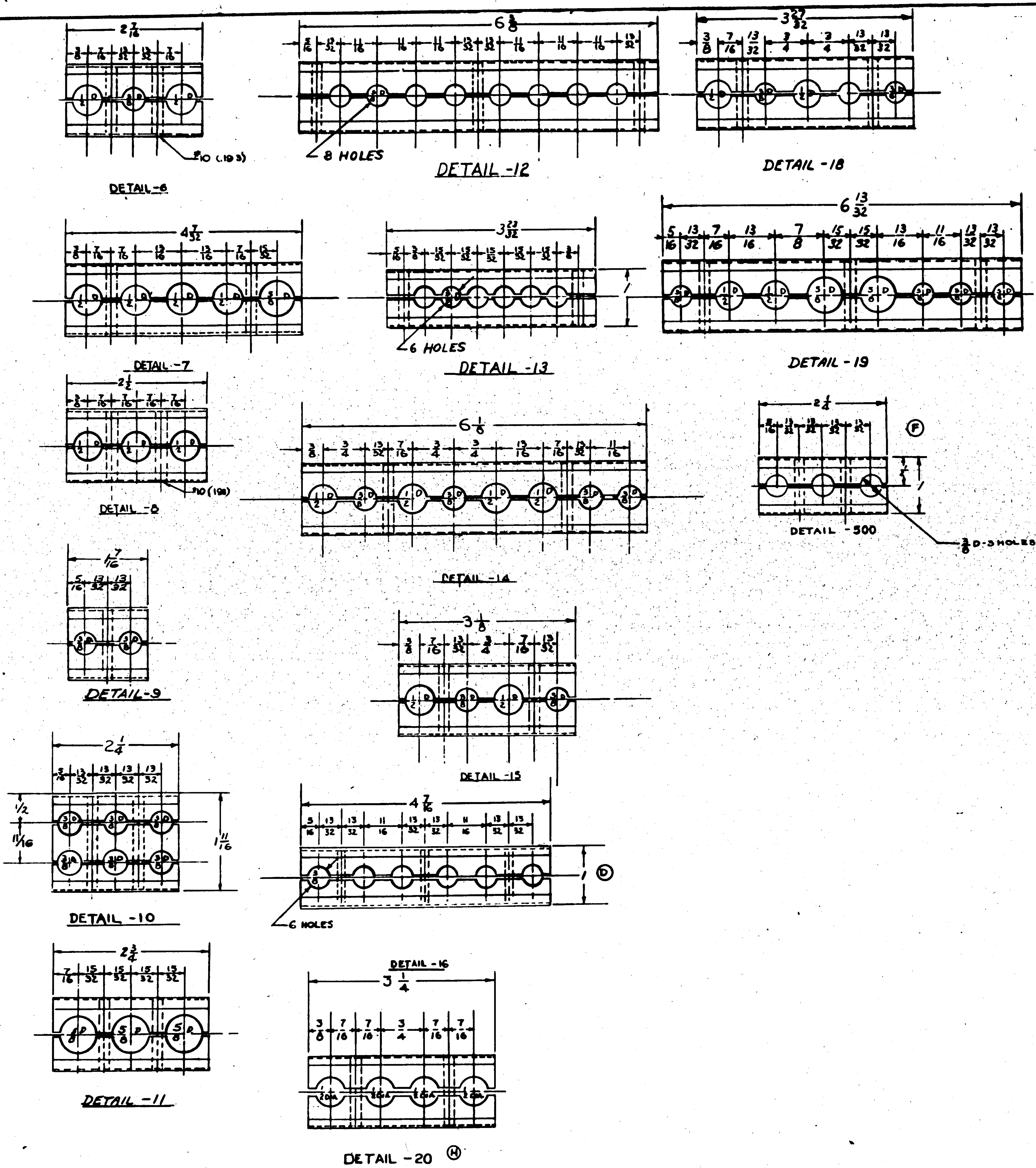
DWG SIZE G — 28F6451

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



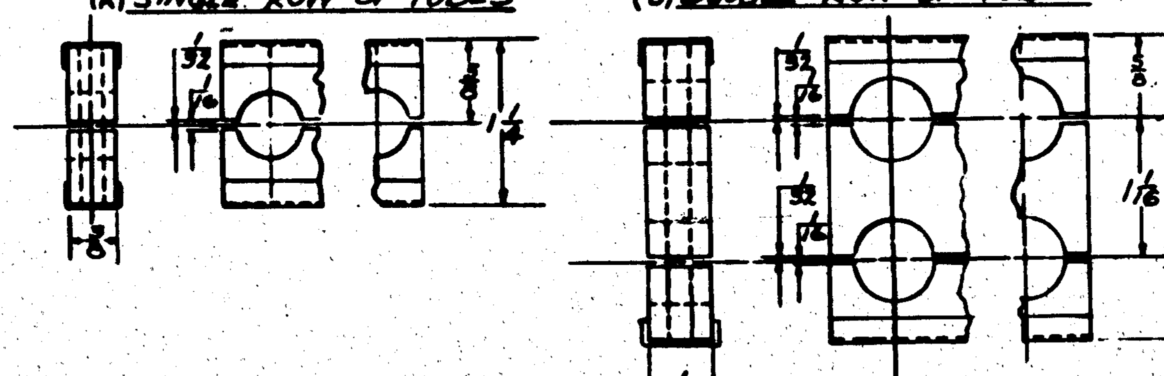
REMOVED CHECK VALVE AT TANK
ADDED -2 ASS'Y
REVISED NOSE WHEEL DOOR CYL ARRANGEMENT
ADD PIPING FOR NOSE WHEEL DOOR LOCK
ADDED 5" ACCUMULATOR & PIPING
REMOVED FLOW EQUALIZER
ADDED CHECK VALVE IN BRAKE VALVE RETURN LINE, SELECTOR VALVE RETURN LINE, AND LANDING GEAR DOWN LINE BETWEEN SELECTOR VALVE AND NOSE WHEEL UP LOCK.
ADDED CONTRACT DATA TO DWG
ADDED CHECK VALVE IN SPERRY SYSTEM RETURN LINE -2 ASSY. ONLY
REMOVED CHECK VALVES IN SPERRY RETURN LINE & IN SEL. VALVE RETURN VALVE.
INSTALLATION OF INDIVIDUAL HYDRO RETURN LINE
SPERRY RELIEF VALVE (REF)
TO SPERRY SYSTEM
VIEW A
SHOWING ADDITION OF SPERRY RELIEF VALVE TO HYDRAULIC SYSTEM -2 ASSY ONLY
NOSE WHEEL DOOR LOCK & SEQ VALVE
DOWN LOCK (REF)
SELECTOR VALVE (REF)
NOSE WHEEL CYL (REF.)
NOSE WHEEL UP LOCK (REF)
SNAP ACTION SEQ. VALVE (REF)
HYD. HAND PUMP (REF)
PRESS GAUGE (REF)
BRAKE VALVE (REF)
10" BRAKE ACCUMULATOR (REF)
UNLOADING VALVE (REF)
FILTER (REF)
5" SYSTEM ACCUMULATOR
NOSE WHEEL DOOR SEQ VALVE
CLOSE
NOSE WHEEL DOOR CYL
NOSE WHEEL SEQ. VALVE (REF)
SEE VIEW "A" FOR -2 ASSEMBLY - BALANCE OF HYD. SYSTEM IDENTICAL TO -0 ASSEMBLY
OPERATING PRESSURE RANGE OF SYSTEM - 850-1000 LBS/SQ.IN.
RELIEF VALVE PRESSURES-
MAIN SYSTEM RELIEF VALVE - 1250 LBS./SQ IN.
PRELOAD AIR PRESSURE OF ACCUMULATORS - 600 LBS/SQ.IN.
OIL CAPACITY OF ACCUMULATORS WITH PRELOAD AIR PRESSURE.
212 CU. INCHES IN 10" ACCUMULATOR.
27.2 CU. INCHES IN 5" ACCUMULATOR.
TUBING INFORMATION-
DIA (O.D.) WALL THICKNESS MATERIAL HOW SHOWN
1/4 .035 CORR. RES. STEEL
5/16 .032 ALUM. ALLOY
1/2 .042 ALUM. ALLOY
5/8 .042 ALUM. ALLOY
SPECIFICATION NO. OF HYDRAULIC FLUID - M339 OR AC 3580.
CAPACITY OF RESERVOIR - 2.4 GALLONS.
DISPLACEMENT OF FLUID IN CU.IN. OF EACH ACTUATING UNIT.
UNIT EXTENDED RETRACTED
NOSE WHEEL CYL 44.91 CU.IN. 38.08 CU IN
NOSE WHEEL DOOR CYL 15.54 CU.IN 12.22 CU. IN
MAIN WHEEL CYL (2) 127.05 CU IN. 95.22 CU. IN
STROKE OF EACH ACTUATING CYLINDER.
UNIT STROKE
NOSE WHEEL CYL. 7.5625
NOSE WHEEL DOOR CYL 4.3125
MAIN WHEEL CYL. (2) 25.875
DISPLACEMENT PER CYCLE OF HAND PUMP - .2 CU. IN.
DISPLACEMENT PER REVOLUTION OF POWER PUMP - .447 CU. IN.
ENG DRIVEN PUMP (REF)
RELIEF VALVE (REF)
FLUID RESERVOIR (REF)
OUTLETS FOR TEST STAND
BRAKE DEBOOSTER (REF)
BRAKE VENT LINE
TO BRAKE
DOWN LOCK (REF)
UP LOCK (REF)
L.H. LANDING GEAR CYL. (REF)
RETURN VALVE (REF)
R.H. LANDING GEAR CYL. (REF)
-2 28-5AMN 28F6500 1
-2 28-5AMC 28F6500 1
-0 OA-10 28F6500 1
-0 PBY-5A 28F6500 1
REQUIREMENTS PER AIRPLANE
NONE
STAMP PART NUMBER WHERE SHOWN
PART N. STOCK MATERIAL SPEC
PARTS LIST PER ASSY
-0 -2 -3 -4
HEAT TREAT
FINISH
NAME PIPING DIAGRAM - HYDRAULIC AMPHIB. GEAR
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
G 28F6510
R



LET	ALTERATION	DATE	BY
A	ADD -9 & -11	12-7-[illegible]	[illegible]
B	ADDED -10, -12 & -13	1-13-[illegible]	[illegible]
C	ADDED -14 & -15 & FURTHER -8 REQ'MS.	1-19-41	[illegible]
D	ADDED -16 FACE DWG. & B/M	7-9-41	[illegible]
E	ADDED -18 & -19 TO FACE OF DWG. & B/M	3-11-4[illegible]	KOPANITZ
F	ADDED -500 TO DWG. & B/M WT. -500 .02 #	3-3-43	WOLLS
G	IN REQ'MTS. PER AIRPLANE CH'G'D. 28F6521-10 FROM 3 TO 9 FOR PB2Y-3 NEXT ASSY. 29F8166 & ADDED 28F6521-10 (4) NEXT ASS'Y. 29F8166, PB2Y-3 NO WT. CHG.	3-26-43	[illegible]
H	ADDED DETAIL -20 TO FACE OF DWG. & B/M & IN REQ'MTS. PER AIRPLANE NEXT ASS'Y. -20 PB2Y-3R 29G3243 (1) ACAR 170-2. NEG. WT. CHG.	3-16-[illegible]	[illegible]
J	BROT REQ'MTS/AIRPLANE BLOCK UP TO DATE. NO WT. CHG.	4-[illegible]	[illegible]

NOTES:

1. ATTACHING HOLES TO BE DRILL #10 (.193) THRU.
2. HEIGHT, THICKNESS & SLOT DIM'S. ARE TO BE AS BELOW, EXCEPT WHERE SHOWN OTHERWISE.
   (A) SINGLE ROW OF TUBES (B) DOUBLE ROW OF TUBES



3. ALL BONDING TO BE 3/8 × .0063 ALUM. SHEET-SPEC. 57-151-1A.
4. FINISH: ANODIZE ALL ALUM. ALLOY PARTS.
5. CLIPS MAY BE PURCHASED FROM ADEL PRECISION PRODUCTS CO BURBANK, CALIF. (SEE SEPARATE BREAKDOWN FOR TYPE).
6. FOR B-24 MAKE -7 & -8 PARTS FROM PHENOLIC LAMINATED SHEET (3/8) SPEC. 71-484 TYPE II GRC. B-24 PARTS TO BE MADE BY CAC.

REQUIREMENTS PER AIRPLANE

DASH NO.	MODEL	NEXT ASSY	NO.
-19	B24D	32F563	1
-19	B24D	[illegible]	1
-16	B24D	[illegible]	3
-16	[illegible]	[illegible]	7
-13	B24D	[illegible]	4
-13	B24C	[illegible]	2
-13	32MF	[illegible]	2
-13	32MF	[illegible]	2
-13	32MF	[illegible]	3
-11	B24D	[illegible]	1
-11	[illegible]	[illegible]	[illegible]
-11	[illegible]	[illegible]	[illegible]
-11	32MF	32F5505	9
-11	B24D	[illegible]	4
-11	B25[illegible]	[illegible]	[illegible]
-11	B24D	[illegible]	[illegible]
-11	B24C	32F503	9
-10	B24D	32F5700	3
-10	32MF	32F5500	2
-9	B24D	32F5700	3
-9	32MF	32F5500	5
-9	B24D	[illegible]	2
-9	32MF	32F5505	2
-8	B24E	32F5710	7
-8	B24D	32F5710	1
-8	B24A	32F503	2
-8	B24	32F503	2
-7	B24A	32F503	1
-7	B24	32F503	1
-20	PB2Y-3R	29G3243	1
-16	PB2Y-3	29F8166	4
-500	PB2Y-3	29F8166	1
-10	PB2Y-3	29F8166	9
-10	PB2Y-3	29F6414	2
-6	28-5AMN	28F6520	2
-6	28-5AMC	28F6520	2
-15	28-5AMN	28F6500	1
-15	28-5AMC	28F6500	1
-14	28-5AMN	28F6500	1
-14	28-5AMC	28F6500	1
-9	28-5AMN	28F6500	2
-9	28-5AMC	28F6500	2
-9	PBY-5A	28F6500	2
-14	PBY-5A	28F6500	1
-15	PBY-5A	28F6500	1
-6	PBY-5A	28F6500	2

Marginal notes: ACA 84-8; #1-434; 83-252; 83-252; #1-434; #1-2434; #1-2434; B 83-252; 83-252; 1-434; 1-64; 4355 on; ACA R170-2; ACA 84-3; ACA 84-3

REPLACES — NOTED CALC. WT.
REPLACED BY — ACT. WT.
SCALE: 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PARTS LIST FOR ASSY.

PART No.	TYPE	WT.
-500	ADEL A800-ASD-12	.02
-19	ADEL A800-ASD-12	.09
-18	ADEL A800-ASD-12	.06
-20	ADEL A800-ASD-12	.06
-16	ADEL A800-ASD-12	.05
-15	ADEL A800-ASD-12	.06
-14	ADEL A800-ASD-12	.12
-13	ADEL A800-ASD-12	.04
-12	ADEL A800-ASD-12	.06
-11	ADEL A800-ASD-12	.05
-10	ADEL A800-ASD-16	.06
-9	ADEL A800-ASD-12	.02
-8	ADEL A800-ASD-12	.04
-7	ADEL A800-ASD-12	.08
-6	ADEL A800-ASD-12	.04

REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5

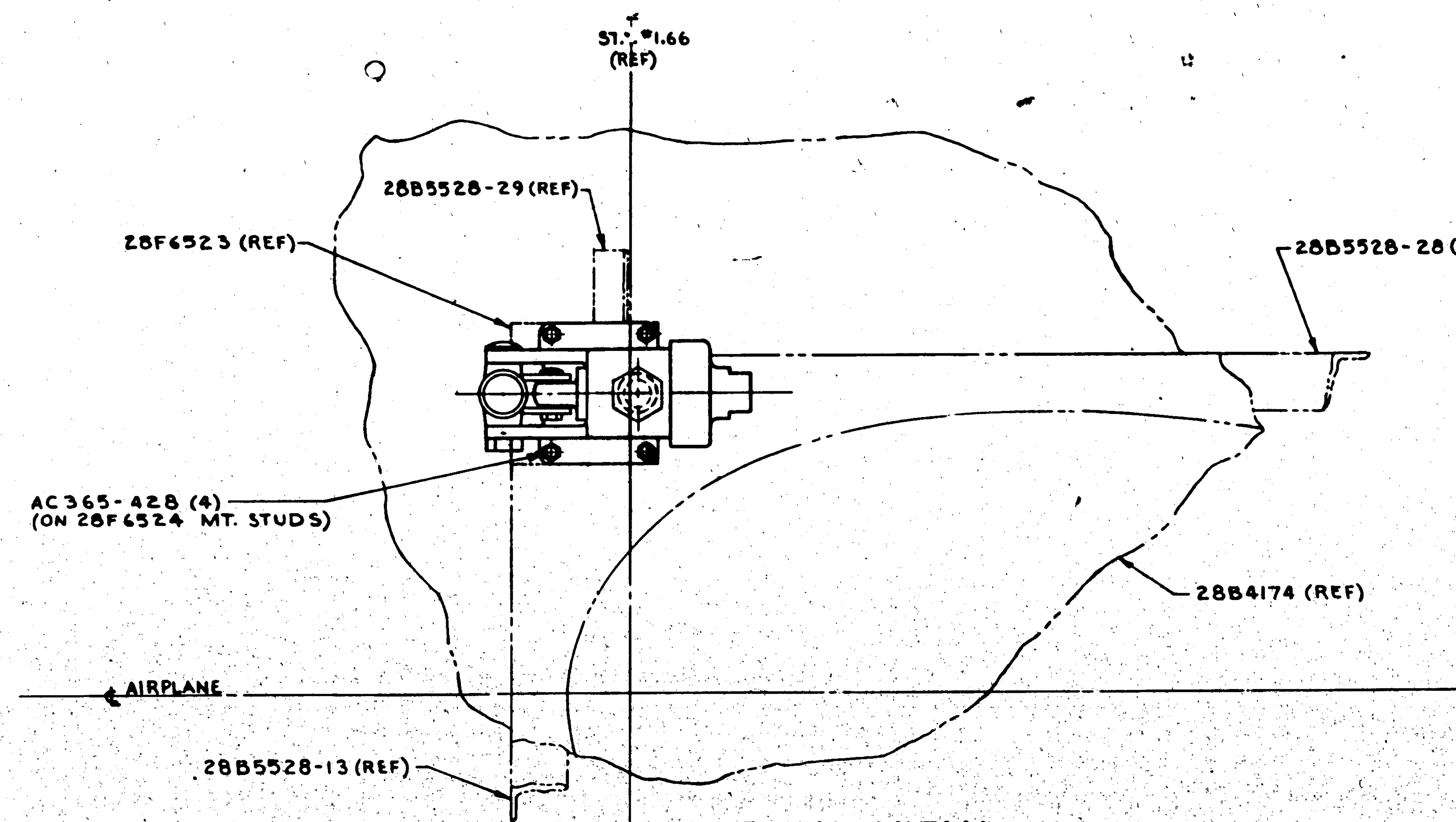
AC
NAVY: None
HEAT TREAT
FINISH: NOTED
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG

NAME: BLOCKS-TUBE-SUPPORT-HYDRAULIC SYSTEM

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

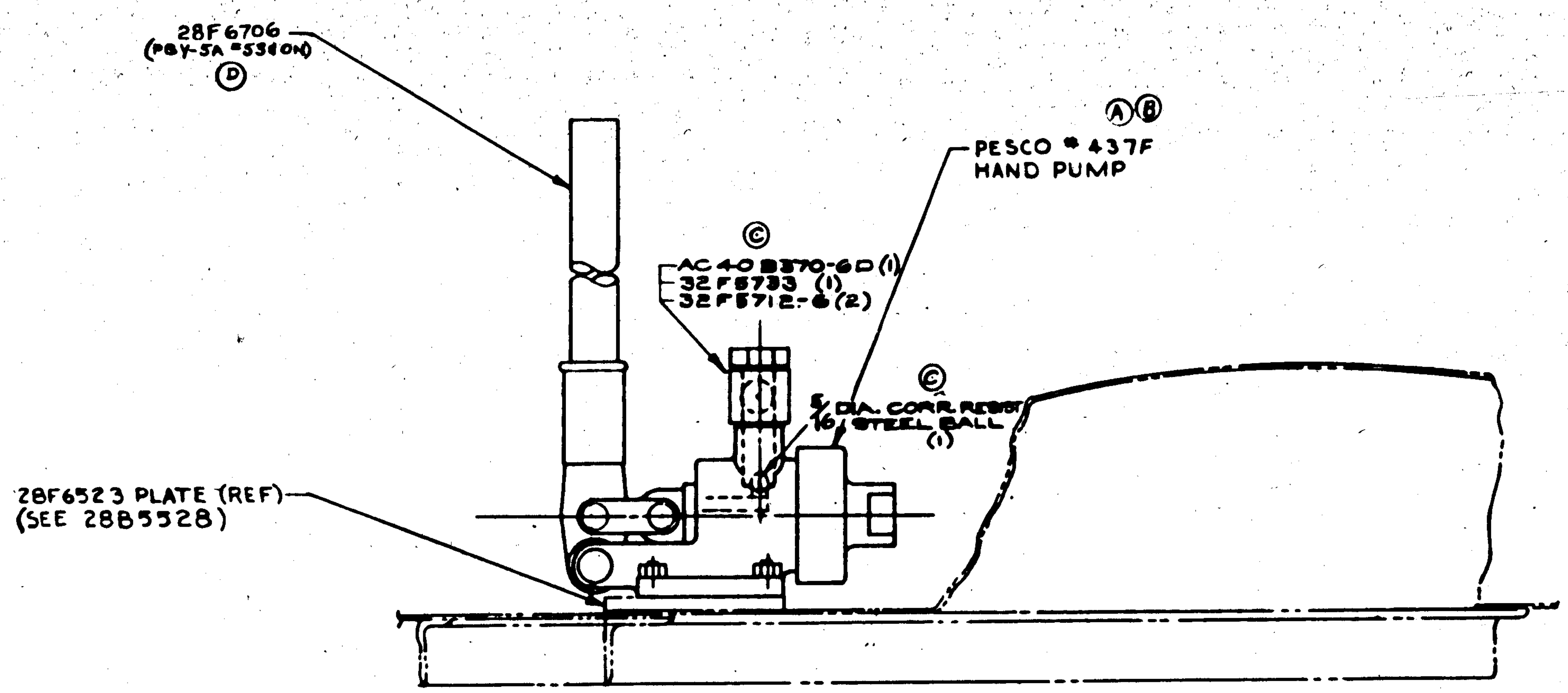
DWG. G 28F6521

R 1259182



PLAN VIEW

← FWD



SIDE VIEW

(LOOKING OUTBD)

NOTE Ⓐ

PESCO # 437F HAND PUMP MAY BE PURCH'D FROM "PUMP ENGINEERING SERVICE CORP.", CLEVELAND, OHIO.

LET	ALTERATION	DATE	BY
A	CHG'D NO. OF PESCO HAND PUMP FROM # 437 TO # 437C		
B	CHG. NO. OF PESCO HAND PUMP FROM # 437C TO # 437F ON FACE & B/M.		
C	ADDED AC40B370-6D (1), 32F5733 (1) 32F5712-6 (2), 5/16 CORR. RESIST. STEEL BALL. WT. INCREASE — .17 LB.		
D	ADDED 28F6706. WT. 3.11 WAS 2.94	7-16-41	F.H.H.

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
28F6706 (PBY-5A #53 ON)				1				
5/16 D. STEEL BALL (CORROSIVE RESISTANT)				1				
32F5712-6				2				
32F5733				1				
AC40B370-6D				1				
AC365-428				4				
PESCO # 437F PUMP (WITH [illegible])				1				

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY.	REQ
-0	28-5AMC	28F6500	1
-0	28-5AMN	28F6500	1
-0	PBY-5A	28F6500	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 3.11

REPLACED BY — ACT. WT.

SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C —
NAVY NONE
HEAT TREAT — FINISH

DRAFT: LEVEN 9-20-40

OPP. HAND

NAME INSTALL. - HAND PUMP - HYDRAULIC SYSTEM

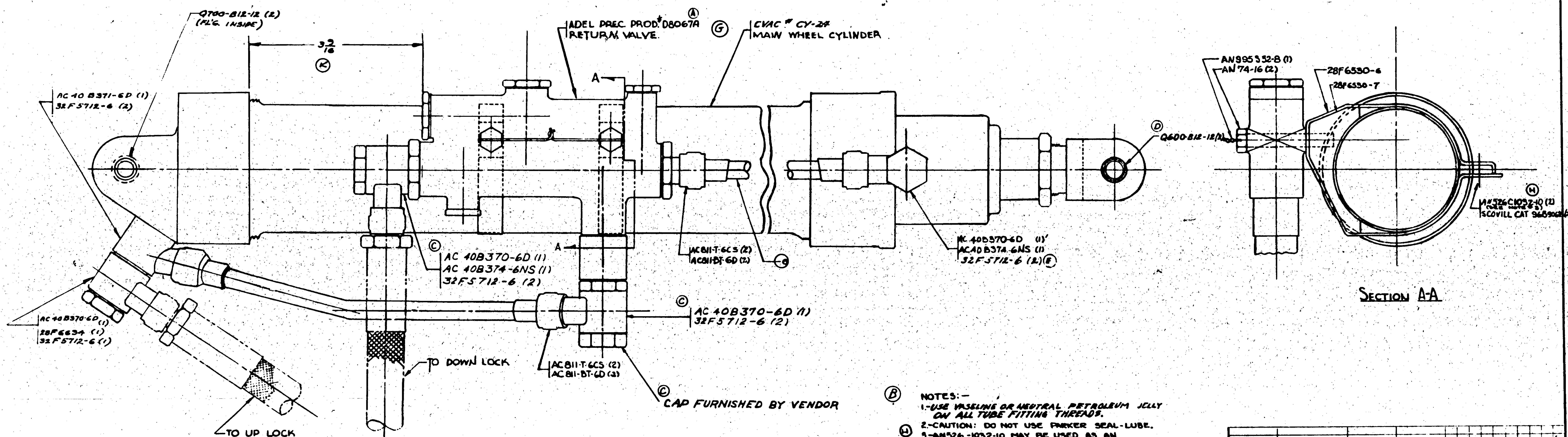
G 28F6526

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

INCORP. BUR. AERO. CHANGE #49 - MODEL PBY-5A (cont.)

LET	ALTERATION	DATE	BY
	BEEN REPLACED BY CVAC #CY-24 L.H. & CY-24-1 R.H. IN B/M & BACK. ADDED NOTE #4 TO FACE		
	NO WT. CHG	3-20-43	SHAW
K	DIM. 3 2/16 REPLACES 2 5/32. WT. CHG. NONE	9-1-43	WELLS

LET	ALTERATION	DATE	BY
A	ADEL VALVE #8067 WAS #8064.	1-13-41	[illegible]
B	ADDED NOTES TO FACE OF DWG: USE VASELINE OR NEUTRAL PETROLEUM JELLY ETC. & DO NOT USE PARKER SEAL LUBE.	[illegible]	[illegible]
C.N.	ADDED: 32F5712-6(4) AC40B370-6D (3) WAS (1); AC40B374-6NS (2) WAS (1). CALC. WT. 10.54 WAS 10.40	8-10-41	LARSON
D	ADDED Q700-B12-12 (2) & Q600-B12-12 (2) TO B/M & FACE OF DWG	8-22-41	LARSON
E	32F5712-6(8) WAS AC394982-6(4) & 32F5712-6(4) IN B/M & ON DWG	9-1-41	LARSON
F	ADDED AC40B370-6D, 28F6634, & 32F5712. W.E.A. [illegible]	9-2-41	KASSIN
G	ADEL VALVE 8067A WAS ADEL VALVE 8067. NO WT. CHG.	[illegible]	CARLSON
H	IN B.M. & ON FACE, AT "AN526-C-1032-10", ADDED "SEE NOTE #3" TO FACE OF DWG. ADDED NOTE #3. (NO WT. CHG.)	6-30-42	KNIGHT
J	UNITED AIRCRAFT #41522(LH) WAS		



B NOTES:-

1. USE VASELINE OR NEUTRAL PETROLEUM JELLY ON ALL TUBE FITTING THREADS.
2. CAUTION: DO NOT USE PARKER SEAL-LUBE.
3. AN526-1032-10 MAY BE USED AS AN ALTERNATE FOR AN526-C-1032-10.
4. CVAC #CY-24 & CY-24-1, MAY BE PURCHASED FROM UNITED AIRCRAFT PRODUCTS UNDER THEIR NOS. 41522 & 41522-1 RESPECTIVELY.

PART No	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.
Q700-B12-12 (D)				2	2
Q600-B12-12				2	2
AC811-BT-6D				4	4
AC811-T-6CS				4	4
SCOVILL CAT #9689067				2	2
CVAC #CY-24-1 UAP 41522-1				–	1
CVAC #CY-24 UAP 41522				1	–
ADEL D8067A - RETURN VALVE YA-58-5B (A)				1	1
AC40B374-6NS				2	2
AC40B371-6D				1	1
AC40B370-6D				4	4
AN526C1032-10 (SEE NOTE #3)				2	2
AN995 332-8				1	1
AN74-16				2	2
32F5712-6				9	9
28F6530-7				2	2
28F6530-6				2	2
28F6634				1	1
-7	3/8 O.D. X .035 X 7	AL. ALLOY TUBE	AN-T-32 COND.	1	1
-8	3/8 O.D. X .035 X 19	AL. ALLOY TUBE	AN-T-32 COND.	1	1

PARTS LIST PER ASSY.

ASSY DASH No.	MODEL	NEXT ASSY.	NO.
-R	28-5AMN	28F6500	1
-L	28-5AMN	28F6500	1
-R	OA-10	28F6500	1
-L	OA-10	28F6500	1
-R	28-5AMC	28F6500	1
-L	28-5AMC	28F6500	1
-R	PBY-5A	28F6500	1
-L	PBY-5A	28F6500	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. L = 10.54, R = 10.54

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C — NAVY NONE — HEAT TREAT — FINISH

DRAFT: CASSIE 11-12-40 — CHECK: [illegible] 11-15-40 — STRUCT: GREEY — MAT: WFC — APPROV: [illegible] — ENG: [illegible]

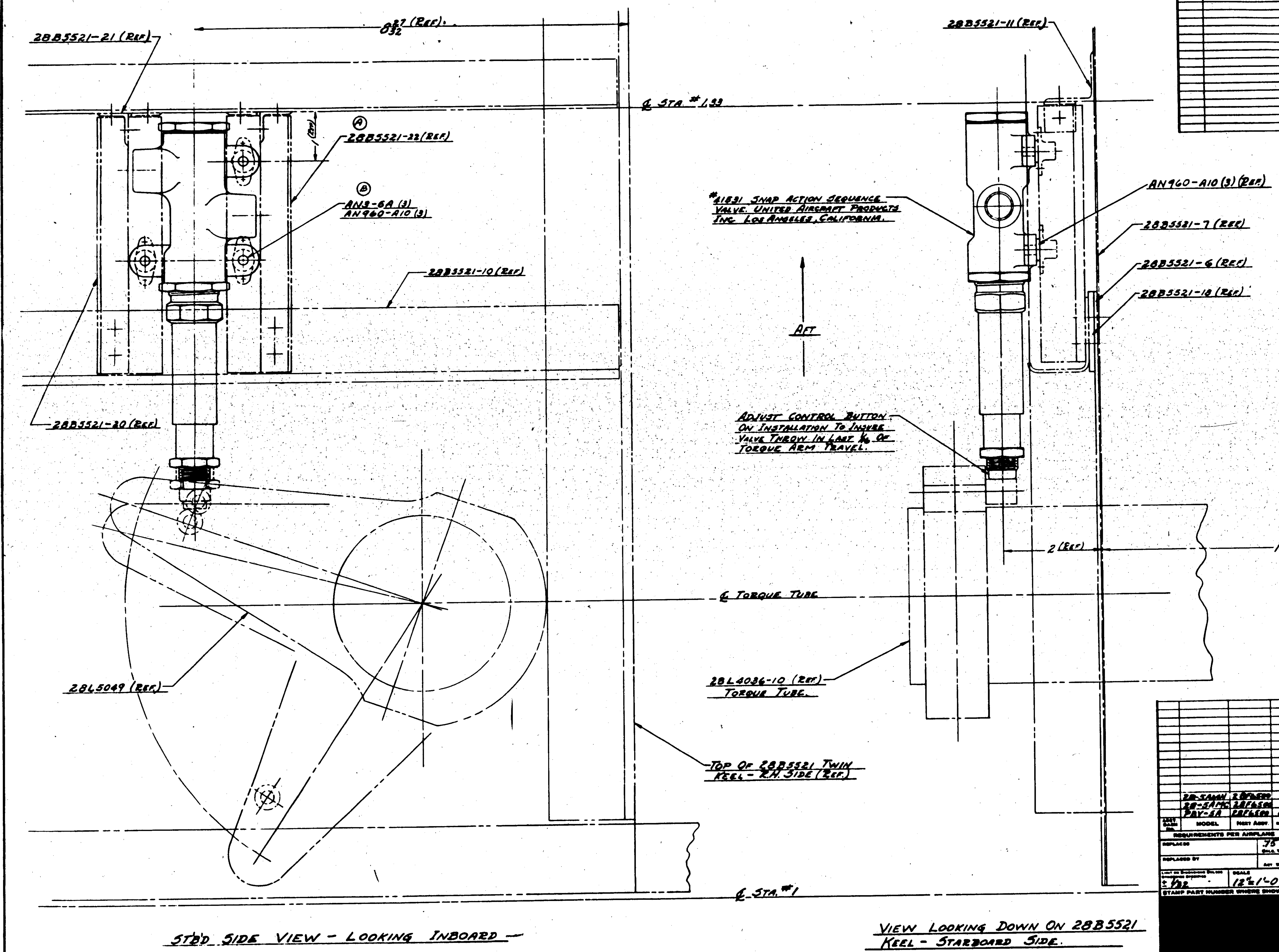
OPP. HAND 28F6531 R.

NAME ASSY - MAIN WHEEL CYLINDER & RETURN VALVE — HYD. SYSTEM

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

DWG. G 28F6531

R



MODEL	NEXT ASSY.	REQ.
28-5AMN	28F6500	1
28-5AMC	28F6500	1
PBY-5A	28F6500	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
#A1831	UNITED AIRCRAFT PRODUCTS INC.			1
AN960-A10				3
AN3-6A				3

PARTS LIST PER ASSY.

REPLACES — CALC. WT. .75

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

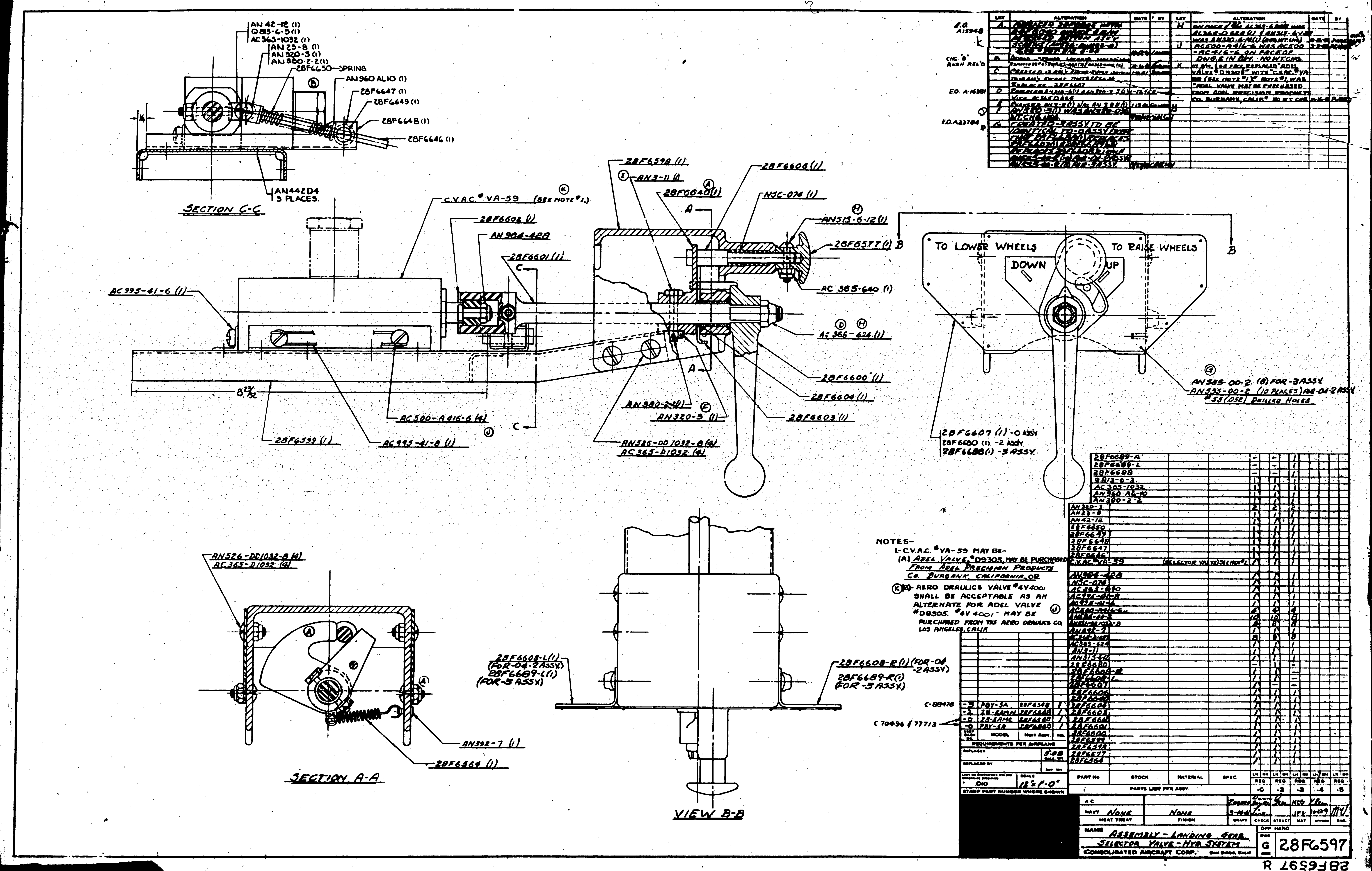
NAVY NONE — HEAT TREAT; NONE — FINISH

NAME VALVE INSTALLATION-NOSE WHEEL DOOR-OPERATING-HYD. SYS.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

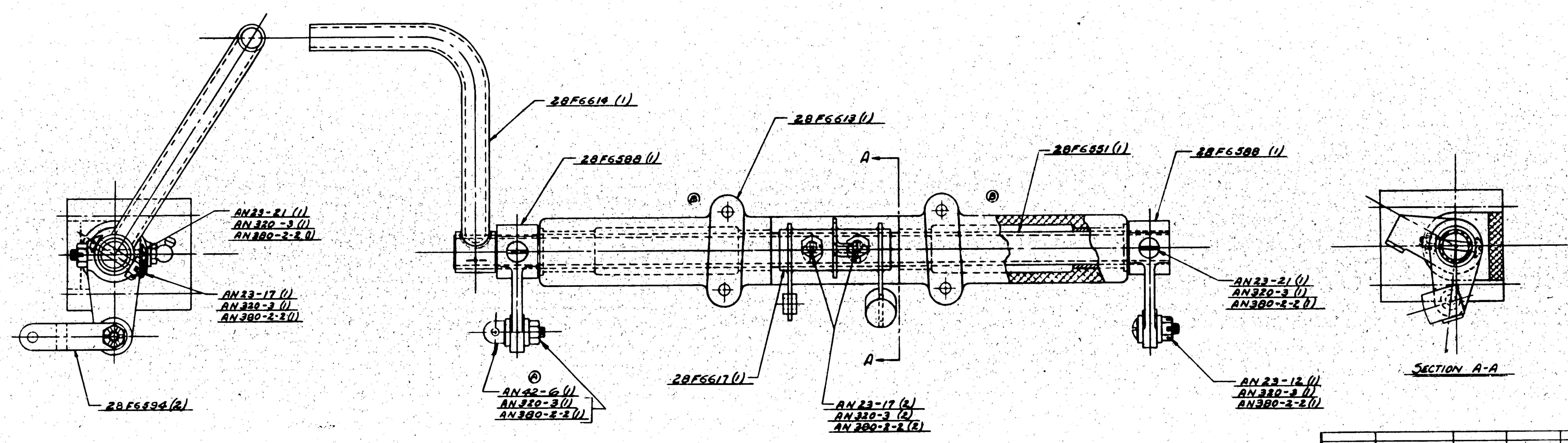
DWG G 28F6542

R


SECTION C-C
SECTION A-A
VIEW B-B
TO LOWER WHEELS
TO RAISE WHEELS
DOWN
UP
C.V.A.C. # VA-59 (SEE NOTE #1.)
NOTES-
1- C.V.A.C. # VA-59 MAY BE-
(A) ADEL VALVE # D9305 MAY BE PURCHASED FROM ADEL PRECISION PRODUCTS CO. BURBANK, CALIFORNIA, OR
(B) AERO DRAULICS VALVE # 4V4001 SHALL BE ACCEPTABLE AS AN ALTERNATE FOR ADEL VALVE # D9305. # 4V 4001 MAY BE PURCHASED FROM THE AERO DRAULICS CO. LOS ANGELES, CALIF.
ASSEMBLY - LANDING GEAR SELECTOR VALVE - HYD SYSTEM
CONSOLIDATED AIRCRAFT CORP.
28F6597

INCORP. BuAer. CHANGE #53 - MODEL PBY-5A

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	REPLACED AN23-12 WITH AN42-6. WT. CAB. MFG.	9-27-41	[illegible]
				B	REMOVED ALEMITE (AN6366) WT. CAB. MFG.	3-3-42	[illegible]



NOTE:- INSTALL EYE BOLT LOOSELY.

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	28-5AMN	28F6618	1
	28-5AMC	28F6618	1
	PBY-5A	28F6618	1

REQUIREMENTS PER AIRPLANE

REPLACES — 2.5 CALC. WT.

REPLACED BY — ACT. WT.

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN42-6				1
AN380-2-2				4
AN320-3				4
AN23-21				2
AN23-17				3
AN23-12				1
28F6617				1
28F6614				1
28F6613				1
28F6594				2
28F6588				2
28F6551				1
-0				

PARTS LIST PER ASSY.

A C

NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT: ROGERS 9-28-41

NAME ASSEMBLY - BEARING & NOSE WHEEL DOOR LOCK MECH. - HYD. SYS.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

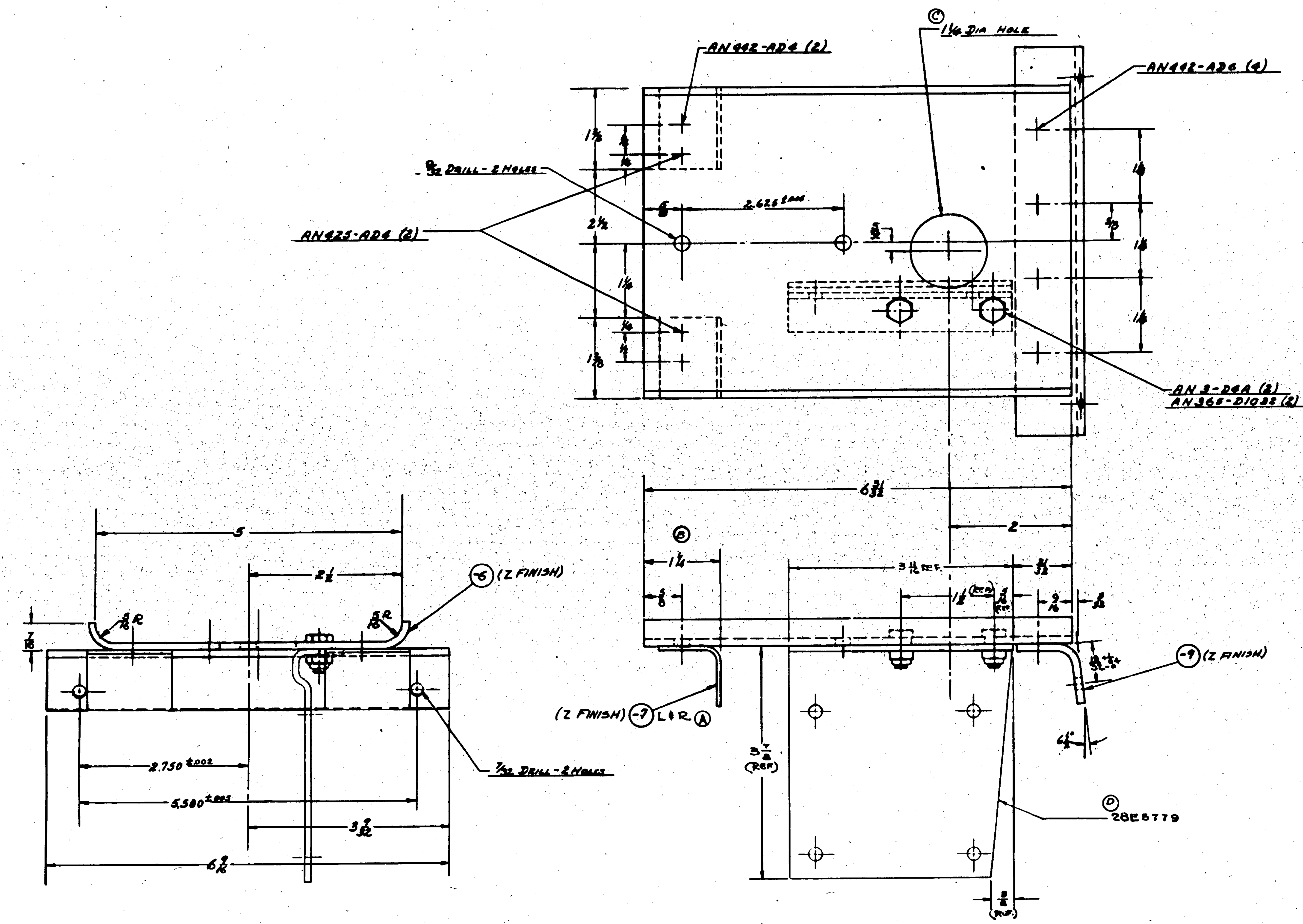
OPP. HAND

DWG. SIZE G — 28F6615

R

PBY-5A, OA-10 } E.O.A3150
28-5AMC } E.O.33420

LET	ALTERATION	DATE	BY
A	-7 L & R WAS -7	5-8-41	[illegible]
B	ADDED 1¼ DIM.	[illegible]	[illegible]
C	1¼ DIA HOLE WAS [illegible]	[illegible]	[illegible]
D	CHG. ON FACE OF DRG & B/M 28E5779 WAS -B	7/13/42	[illegible]



FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
	28-5AMA	28F6618	1
	28-5AMC	28F6618	1
	PBY-6A	28F6618	1

REQUIREMENTS PER AIRPLANE

REPLACES — .77 CALC. WT.

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2
AN442-AD6					
AN442-AD4					
AN425-AD4					
AN365-D1032				2	
AN3-D4A				2	
28E5779				1	
-9	Y2-A50T x 6 3/4	ALCLAD 24ST	47A8 COND. T	1	
		24ST			
-7R	Y2-A45T x 1 ½	ALCLAD 24ST	47A8 COND. T		1
-7L	Y2-A45T x 1 ½	ALCLAD 24ST	47A8 COND. T	1	
-6	.125 x 6 9/16 x 7 ½	ALCLAD 24SO	47A8 COND. A	1	

PARTS LIST PER ASSY.

A.C. / NAVY HT-6 (24ST) — HEAT TREAT

NOTED — FINISH

DRAFT: [illegible] 4-8-41 — CHECK: DIMN — STRUCT: GREEN

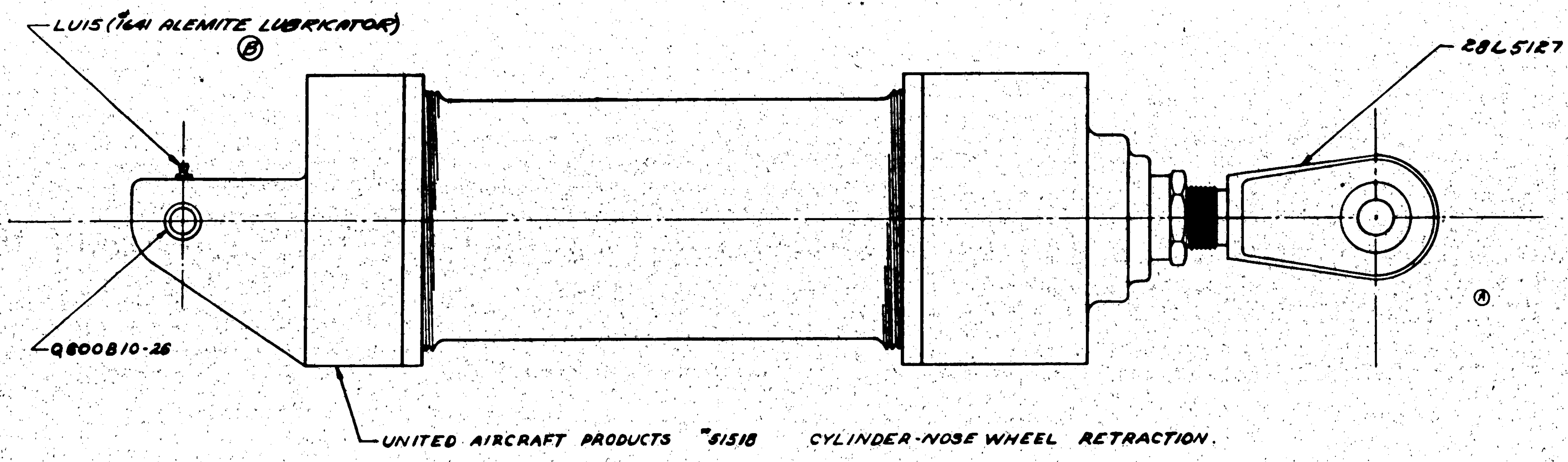
NAME: BRACKET - JACK, SEQ. VALVE & MICRO SW'S NOSE WHEEL DOOR LOCK - HYD. SYSTEM

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F6616

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	Removed Q600B10-20 from drawing & S.L.	[illegible]	[illegible]				
B	ADDED LU15 (#1641 ALEMITE LUBRICATOR) (A) TO FACE & REV. WT CHG. NEC. (E.O. A2057)	[illegible]	Nelson				
C	ADDED NOTE & AC41B25-6D (C) TO B/M NO WT CHG. (E.O. A18648)	[illegible]	Nelson				



NOTE: (C)
PLUG ALL UNUSED OUTLETS WITH AC41B25-6D PLUGS

NOTE: THIS PART FORMERLY CALLED OUT ON 28F6500

* THIS PART TO BE MADE BY C.A.C. FOR 1ST 50 AIRPLANES ONLY. AFTER SHIP #50 PART WILL BE FURNISHED BY VENDOR.

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
UAP #51518	CAC #CY-25 NOSE WHEEL CYL.			1
*28L5127	*			1
AC41B25-6D (C)				[illegible]
LU15	(B) (#1641 ALEMITE LUBRICATOR)			1
Q600B10-26	(A)			1

PARTS LIST PER ASSY. (REQ. -0, -2, -3, -4, -5)

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	28-5AMN	28F6500	1
	28-5AMC	28F6500	1
	OA-10	28F6500	1
	PBY-5A	28F6500	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT

REPLACED BY — ACT. WT

SCALE

STAMP PART NUMBER WHERE SHOWN

A C | NAVY | HEAT TREAT | FINISH

DRAFT: Sommer 9-2-41 | CHECK | STRUCT | MAT. | APPROV: Klein 9-10-41 | ENG.

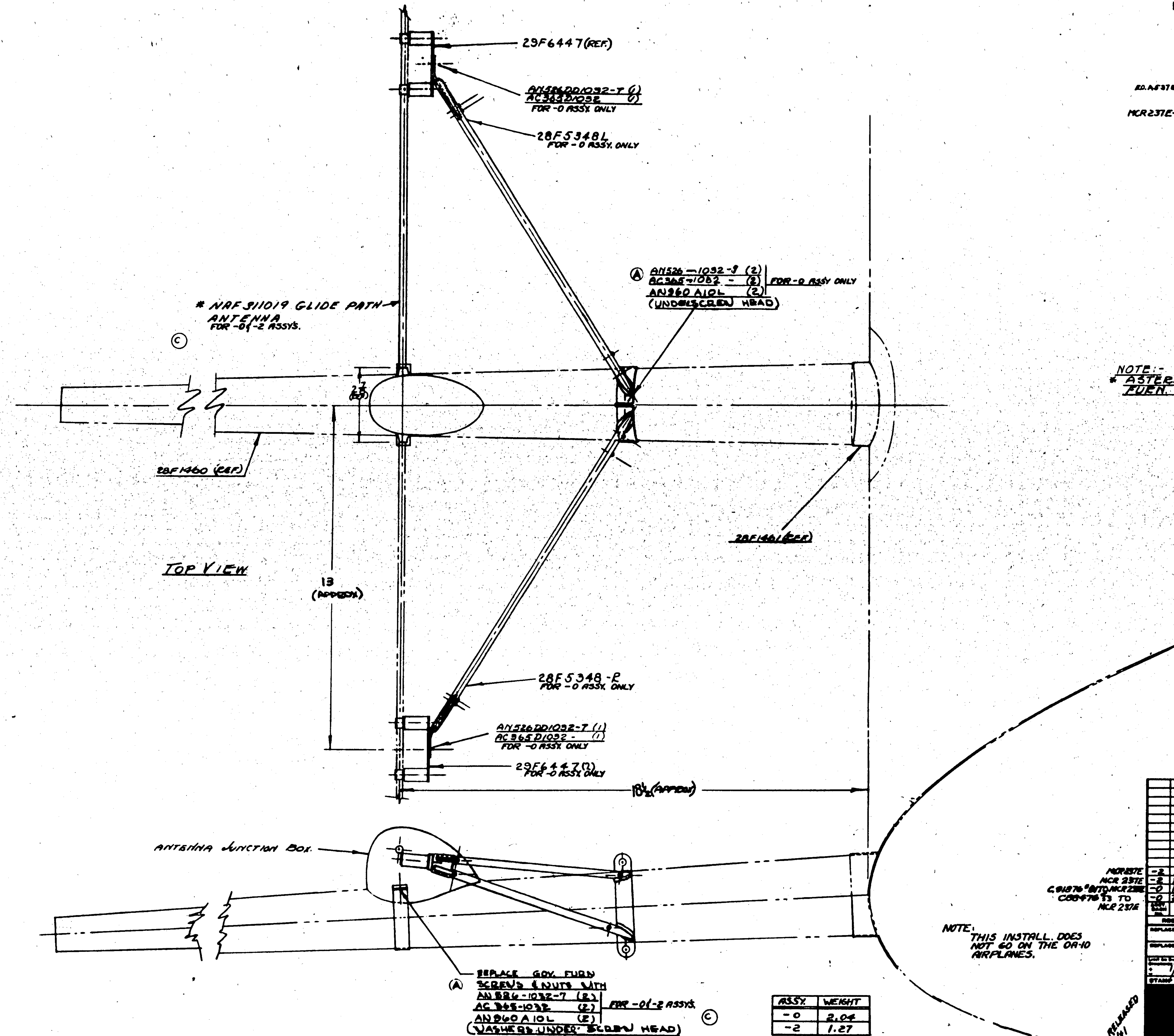
NAME: CYLINDER-NOSE WHEEL RETRACTION-AMPHIB.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

DWG. SIZE G 28F6635

R



NOTE:-
* ASTERISK INDICATES GOV. FURN. MATERIAL.

NOTE:
THIS INSTALL. DOES NOT GO ON THE OA-10 AIRPLANES.

ASSY.	WEIGHT
-0	2.04
-2	1.27

LET	ALTERATION	DATE	BY
A	IN BM & FACE OF DWG. AN-526-1032-7 (2) WAS AN526DD1032-6; AC365-1032 (2) WAS AC365D1032; ADDED TO BILL DWG. AN960A10L (4); THESE PARTS TO REPLACE GOV. FURN SCREWS & NUTS AN526D1032-7 (2) AC365-1032 (2)	11-31-41	[illegible]
B (E.O. A53787)	28F5348 (1 R) (1 L) 29F6447 (2) WERE GOV'T FURNISHED PARTS. NO WT. CHG. REVISED REQ. PER AIRPLANE BLOCK	11-24-41	[illegible]
C (MCR 237E)	CREATED -2 ASSY FOR PBY-5A/5A IN REQ/AIRP. BLK. LIMIT FOR -0 ASSY (PBY-5A) C.88476 53 TO MCR 237E WAS C.88476 53/ON. LIMIT FOR -0 ASSY (PBY-5) C.91876 81 TO MCR 237E WAS C.91876 81/ON. WT. DECREASE FOR -2 ASSY .77	[illegible]	[illegible]
D	ADDED WT. FOR -0 ASSY (2.04) & FOR -2 ASSY (1.27) NO WT. CHG.	[illegible]	[illegible]

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.
* ANTENNA GLIDE PATH NAF 311019				1	1
AN960A10L				4	2
AN526DD1032-7				2	
AN526-1032-7				4	2
AC365D1032				2	
AC365-1032				4	2
29F6447				2	
28F5348-R				1	
28F5348-L				1	

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.	
-2	PBY-5	28F1002	1	MCR 237E
-2	PBY-5A	28F6002	1	MCR 237E
-0	PBY5	28F1002	1	C.91876 81 TO MCR 237E
-0	PBY5A	28F6002	1	C.88476 53 TO MCR 237E

REQUIREMENTS PER AIRPLANE

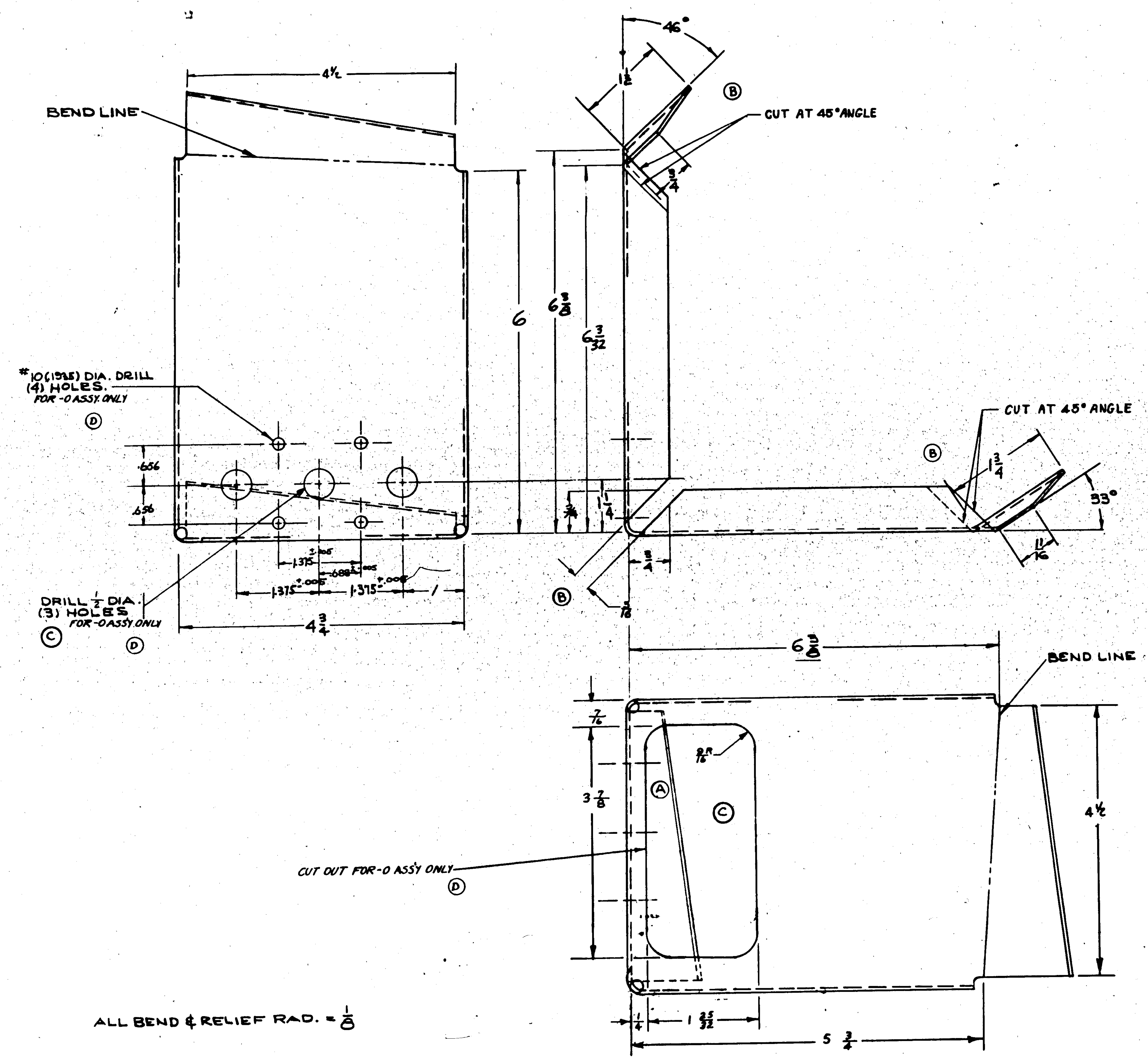
TOLERANCE ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

AC DETAILS

NAME: INSTALL-FURNS-ANT. JUNCTION BOX SUPPORTS
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE G — 28F6689

RUSH RELEASED 12/4/41

LET	ALTERATION	DATE	BY
A	CHGD FLANGE TO PROPER POSITION NO WT CHG.	4-15-4[illegible]	[illegible]
B	ADDED NOTE "CUT AT 45° ANGLE"(2) & 3/16 DIM. WT. CHG. NEG.	7-16-42	[illegible]
C	"DRILL 1/2 DIA (3) HOLES" WAS "DRILL 3/8 DIA (3) HOLES". REM'D 1 1/8 DIA (3) HOLES & ADDED CUTOUT & DIM'S 3 7/8, 1 1/4, 1 25/32 & 7/16. REM'D DIM'S 1 (?) 3/8 (2 PLCS). WT CHG NEG	1-20-[illegible]	[illegible]
D	CREATED -2 ASSY. NO WT. CHG.	2-[illegible]	[illegible]



ALL BEND & RELIEF RAD. = 1/8

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MCR 184 (2)
C# 88476
#1-304-C. # 91876

ASSY DASH No	MODEL	NEXT ASSY	REQ
-2	PBY-5A	28F6668	1
-2	PBY-5	28F6668	1
	28-5AMN	28F6668	1
	PBY-5A	28F6668	1
	PBY-5B	28F6668	1
	PBY-5	28F6668	1

REQUIREMENTS PER AIRPLANE

REPLACES	.47 CALC. WT
REPLACED BY	ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & ± 1/2°	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.064 x 5 3/4 x 13 3/4	ALCLAD	41AB-A	1	1			

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY SR-53	Z·P·AP	2/5/41	2/6/41		AL.	2/6/41	
HEAT TREAT	FINISH						

NAME BRACKET-SERVO BYPASS VALVE-SPERRY SYSTEM-HYDRAULICS

OPP HAND

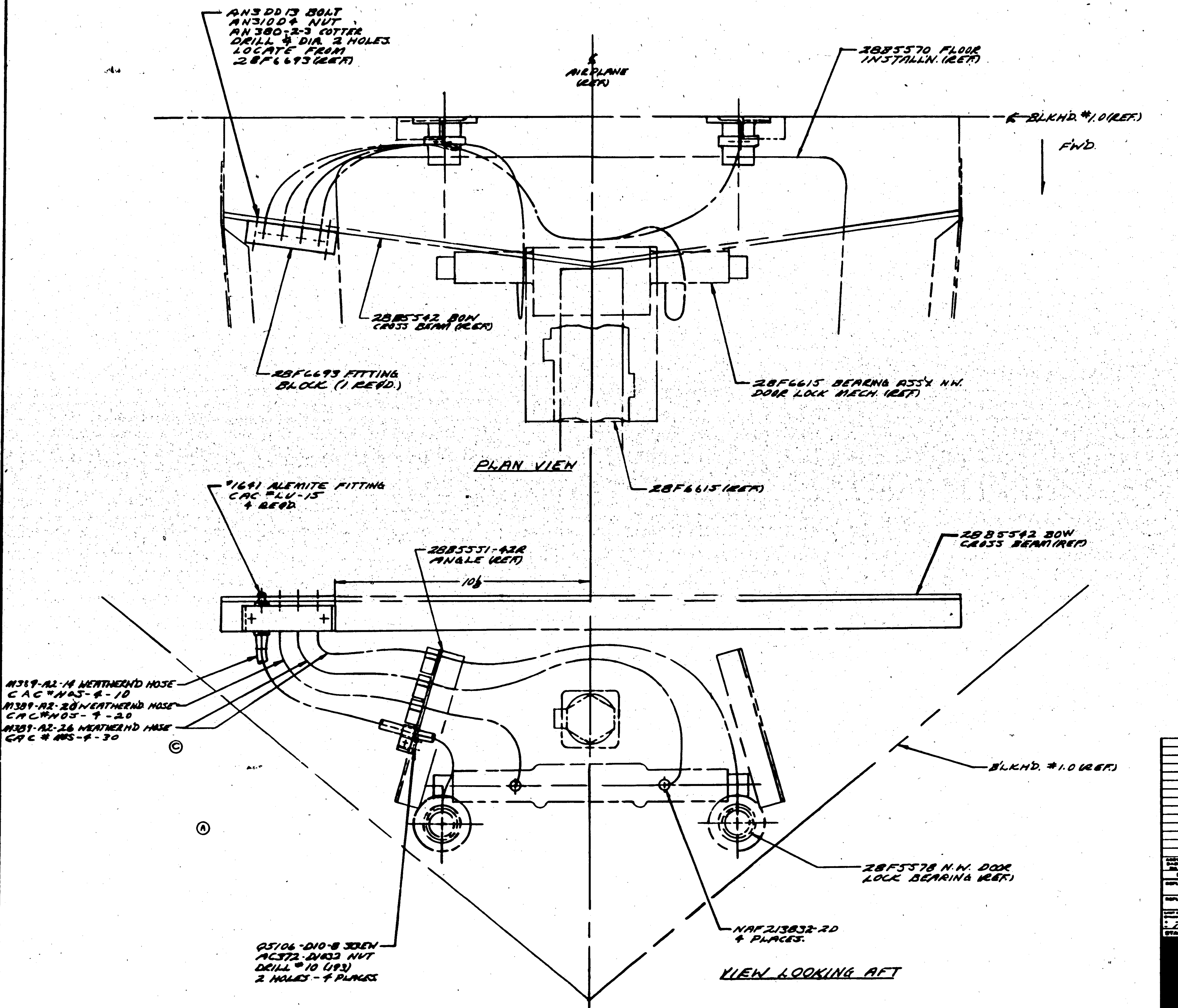
DWG SIZE G — 28F6691

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

R

NICORA BUR AERO. CHANGE# 53-MODEL PBY-5A

LET	ALTERATION	DATE	BY
A	REMOVED NOTES "WRAP--- CLIP." & "DRILL-- PLACES." REMOVED ... CLIP, ... SCREW, AC372-D1032 ... WT. ADDED NOTE "SECURE --- LINES." WT. CHG. NEG.	9-7-42	
B	ADDED NAF213832-2D TO ... NO WT. CHG.	9-22-42	
C	REMOVED CAC# H05-4-40 (1) & ADDED CAC# H05-4-30 (2) (WAS 1 REQ'D) WT. CHG. NEG.		



NOTE: SECURE GREASE LINES WITH FRICTION TAPE & SHELLAC TO EXISTING HYDRAULIC LINES. Ⓐ

PART No	STOCK	MATERIAL	SPEC	REQ -0
NAF213832-2D				4
CAC#LU-15				4
CAC# H05-4-20				2
CAC# H05-4-30				1
CAC# H05-4-10				1
28F6693				1
-6 SUB-ASS'Y.				
AN380-2-3				2
AN310 D4				2
AN3-DD13				2
-4 SUB-ASS'Y				1

PARTS LIST PER ASS'Y.

MODEL	NEXT ASS'Y	REQ.
28-5MAN	28F6500	1
28-5AMC	28F6500	1
PBY-5A	28F6500	1

REQUIREMENTS PER AIRPLANE

REPLACED — 1.5# CALC. WT.

REPLACED BY — ACT. WT.

SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

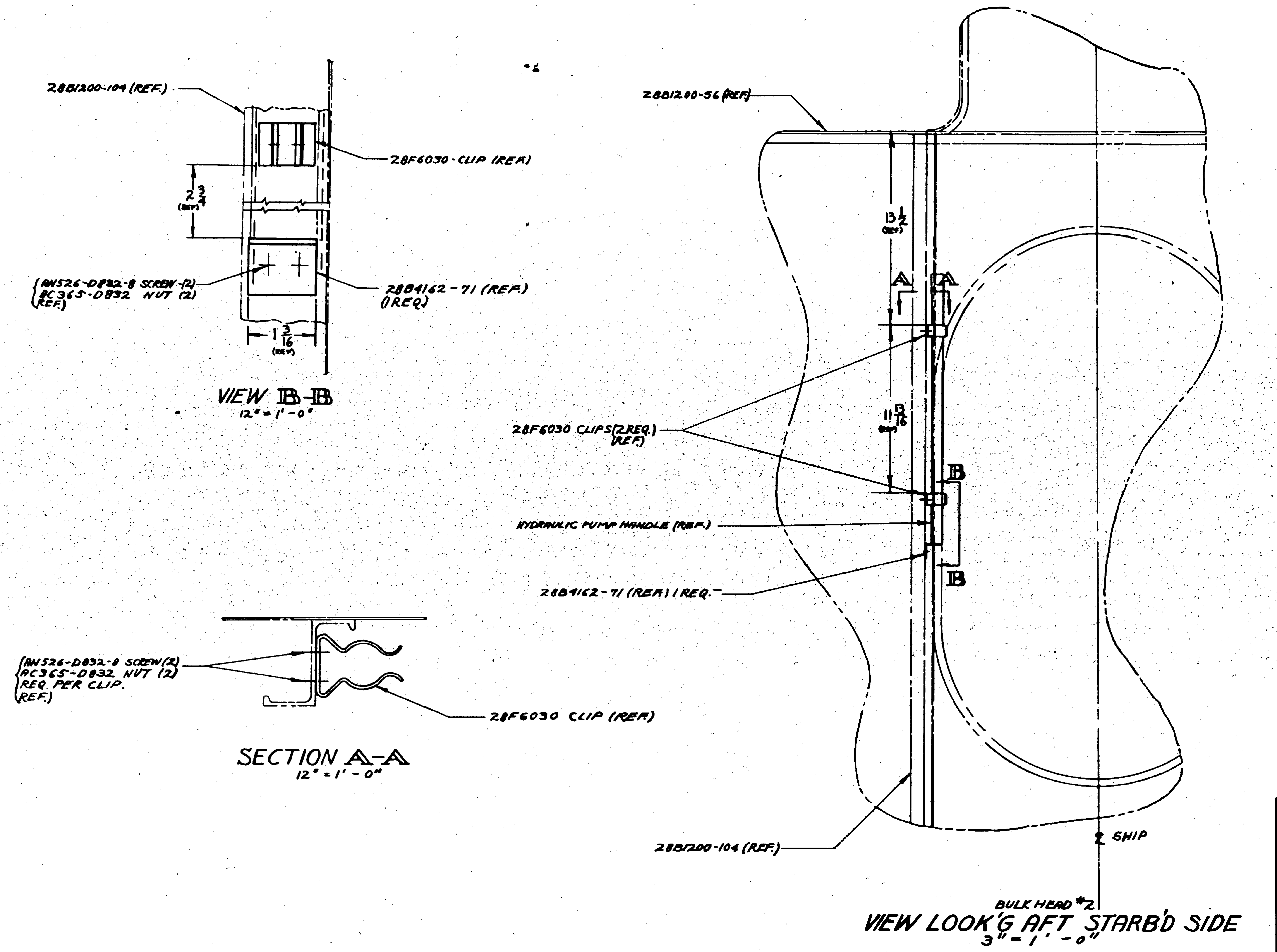
A C — NAVY NONE — HEAT TREAT — NONE — FINISH — 2-15-42

NAME INSTALL'N-HYD'S-LUBRICATION LINES-N.W. DOOR LOCK MECH.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6692

R 2-23-42



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

PARTS LISTED ON THIS DWG. CALLED OUT IN B/M OF 28B4162.

	MODEL	NEXT ASSY	REQ
	28-5AMN	28F6008	1
	28-5AMC	28F6005	1
	PBY-6A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — DS

REPLACED BY

SCALE: NOTED — 1/16

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5

PARTS LIST PER ASSY

A C

MATL NONE

HEAT TREAT — FINISH

4-30-4[illegible] — Boltz — 5-7-4[illegible] — MTC — Zack

NAME INSTALL'N-HAND PUMP HANDLE-STOWAGE-HYD. SYS.

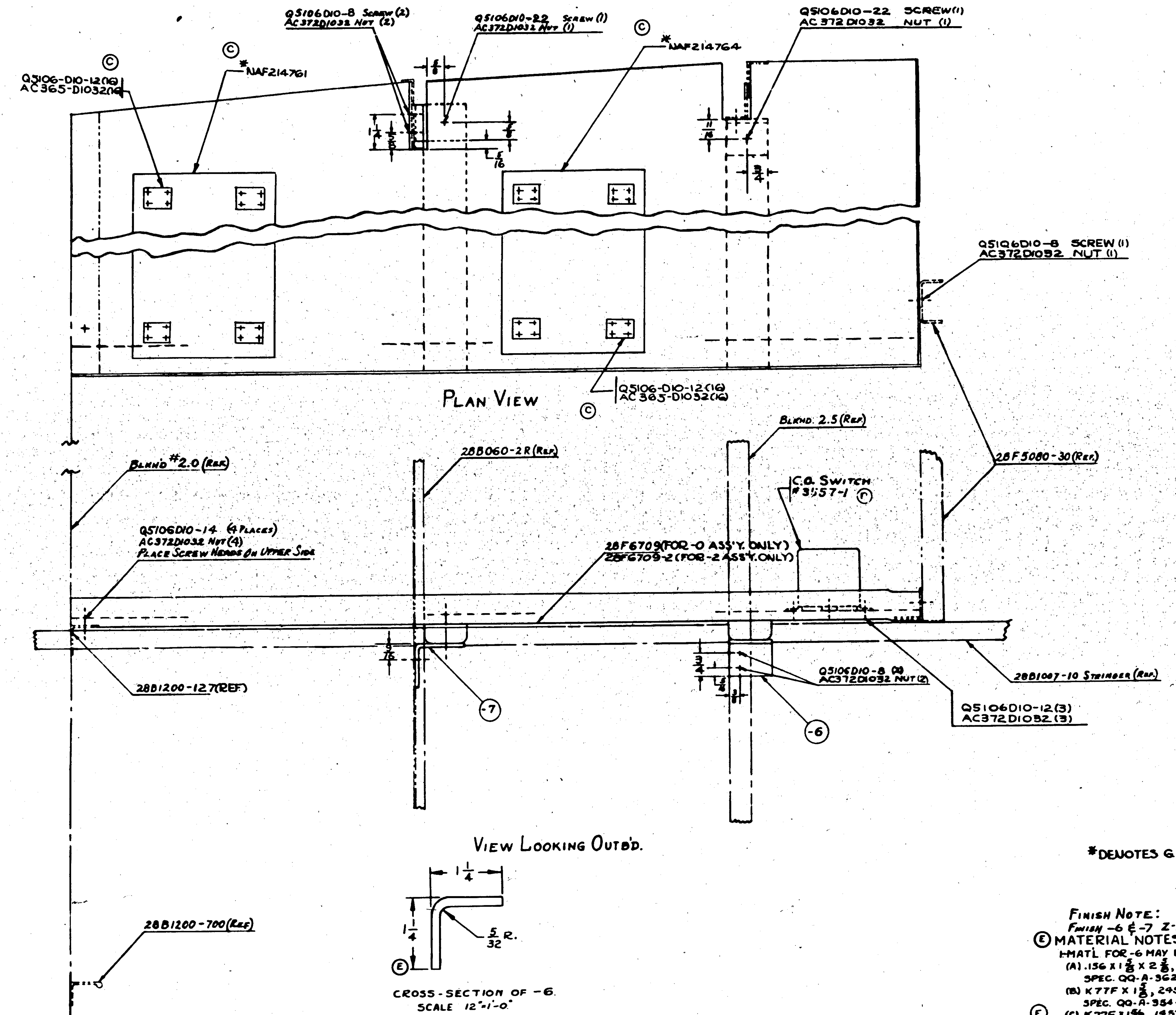
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

G 28F6697

R

LET	ALTERATION	DATE	BY
F	ON FACE OF DWG, IN MATERIAL NOTES: ADDED NOTE "(C) K77F X 1 5/16, 14ST AL. ALLOY EXTR, SPEC. AN-A-8 COND. T," TO NOTE #1. NO WT. CHG.	[illegible]	[illegible]

LET	ALTERATION	DATE	BY
A	28B1200-127(REF) WAS 28B1200-117(118)(REF) NO WT. CHG.	[illegible]	WEST
B	ADDED NOTES "28F6709 FOR -0 ASSY ONLY" & "28F6709-2 FOR -2 ASSY ONLY" CREATED -2 ASSY - NO WT. CHG.	[illegible]	WEST
C	ADDED *NAF214764 INDICATOR BASE(1), *NAF214761 RCVR BASE(2), Q5106-D10-12(35) & AC365-D1032(32) FOR -0 & -2 ASSYS. WT. INCREASED 1.7	[illegible]	WEST
D	C.O. SWITCH #3557-1 WAS C.O. SWITCH #3525	[illegible]	[illegible]
E	IN B/M, FOR -6, REPLACED "K77F X 1 5/16, AL. AL. 24ST, 46A9-T" WITH "NOTED", & FOR -7, REPLACED "K11638 X 1 5/16, AL. AL. 24ST, 46A9-T" WITH "NOTED". ADDED CROSS-SECTION OF -6 & MAT'L NOTES #1 & #2. WT. CHG. NEG.	2-2-45	[illegible]



*DENOTES G.F.E.

FINISH NOTE:
FINISH -6 & -7 Z-P-6P.

(E) MATERIAL NOTES-

1-MATL. FOR -6 MAY BE-
- (A) .156 X 1 5/8 X 2 5/8, 24ST ALC., SPEC. QQ-A-362-T, OR
- (B) K77F X 1 5/8, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354-COND. T, OR
- (F) (C) K77F X 1 5/16, 14ST AL. ALLOY EXTR, SPEC. AN-A-8 COND. T.

2-MATL. FOR -7 MAY BE-
- (A) Y-6-A125T X 1 1/8, OR
- (B) K11638 X 1 5/16, 24ST AL. ALLOY EXTR, SPEC. QQ-A-354-T.

MCR 270-12
MCR 149

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-2	PBY-5A	28F6002	1
-0	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 14.20 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
*NAF214764 INDICATOR BASE				1	1			
*NAF214761 RCVR BASE				1	1			
CAC #SW-29-50 C.O. SWITCH #3557-1				1	1			
Q5106-D10-12				35	35			
AC365-D1032				32	32			
AC372 D1032				14	14			
Q5106 D10-14				4	4			
Q5106 D10-22				2	2			
Q5106 D10-8				5	5			
28F6709-2					1			
28F6709				1				
-7	NOTED	NOTED	NOTED	1	1			
-6	NOTED	NOTED	NOTED	1	1			

PARTS LIST FOR ASSY.

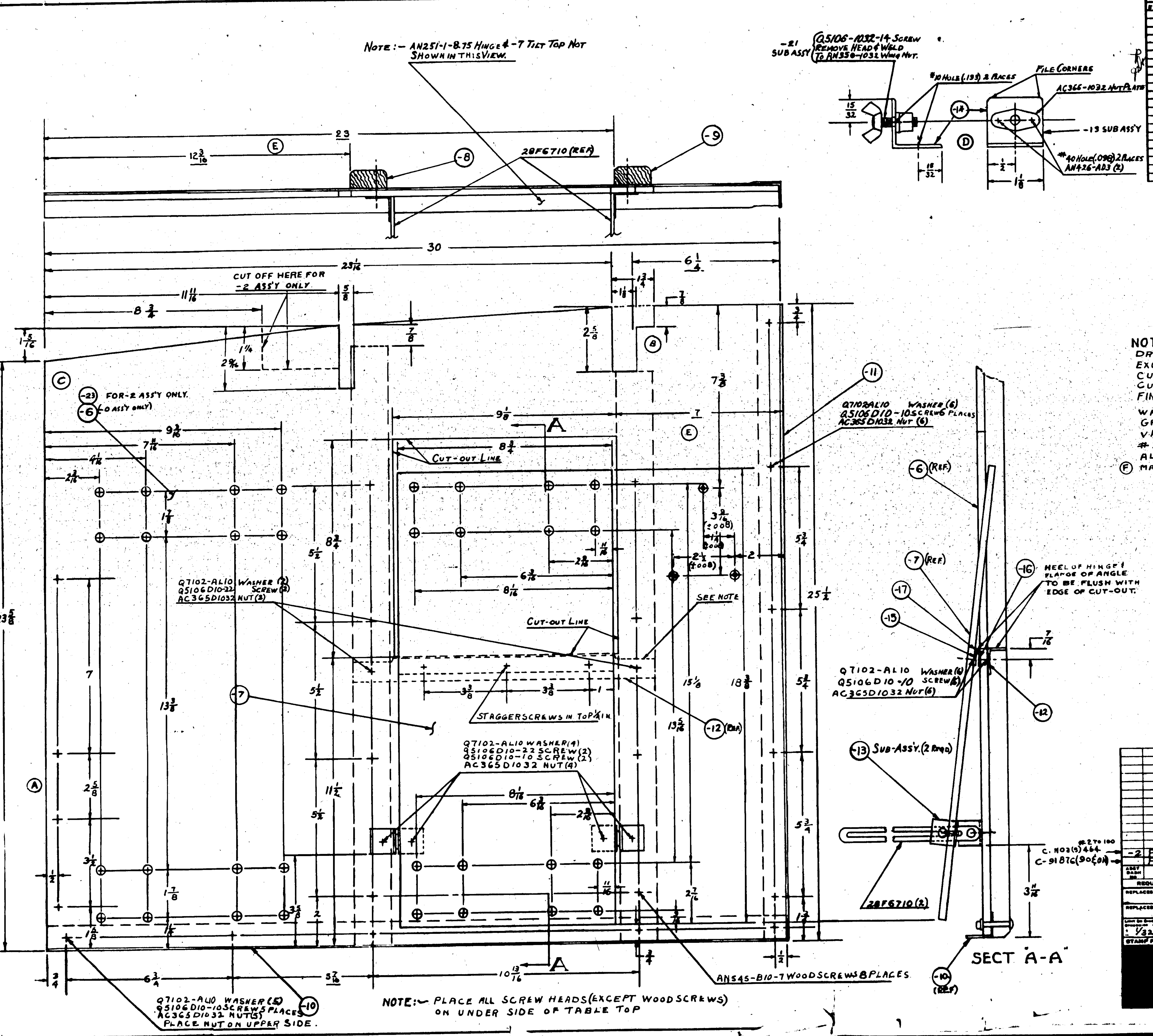
AC		
NAVY	NOTED (FINISH)	DRAFT / CHECK / STRUCT / WGT / APPROV / ENG

NAME INSTALLATION-RADAR OPERATOR'S TABLE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

G 28F6708

R 28F6708



NOTE:-
DRILL #10 HOLE (.193 DIA) AT ALL LOCATIONS, EXCEPT THOSE NOTED.
CUT OUT -8 & -9 TO ALLOW CLEARANCE FOR -10 & -12 ANGLES
CUT OUT -12 (1 ANGLE) TO ALLOW CLEARANCE FOR -8 & -9.

FINISH NOTE:-
ALL WOOD PARTS SHALL HAVE 1 COAT OF APPROVED WATERPROOF WOOD SEALER, 1 COAT OF FILLER ACROSS THE GRAIN & THE EXCESS RUBBED OFF, 1 SPRAY COAT OF SPAR VARNISH OR ENAMEL OF SUITABLE COLOR - PER SPEC. #2F-28-006, REV. B.
ALL METAL PARTS TO HAVE FINISH Z-P-GP.

(F) MATERIAL NOTES:-
1. MATERIAL FOR -10 MAY BE:-
   A. Y-2-A49T X 30 1/8, OR
   B. K78F X 30 1/8, 24ST AL. ALLOY EXTR., SPEC. 46A9 COND. T.
2. MATERIAL FOR -11 MAY BE:-
   A. Y-2-A49T X 25 3/4, OR
   B. K78F X 25 3/4, 24ST AL. ALLOY EXTR., SPEC. 46A9 COND. T.
3. MATERIAL FOR -12 MAY BE:-
   A. Y-5-A26T X 12 1/2, OR
   B. K13639 X 12 1/2, 24ST AL. ALLOY EXTR., SPEC. 46A9 COND. T.
4. MATERIAL FOR -14 MAY BE:-
   A. Y-2-A46T X 1 1/4, OR
   B. K78J X 1 1/4, 24ST AL. ALLOY EXTR., SPEC. 46A9 COND. T.

LET	ALTERATION	DATE	BY
A	REMOVED SLOT 3/4 X 1 1/2 LOCATING DIM. WT. CHG. NEG.	10-16-42	[illegible]
B	DIMS. 1/8 WAS 1/8, 1 3/4 WAS 1, 2 5/8 WAS 2, 2 3/16 WAS 2 3/8, 23 5/8 WAS 23 7/8, 1 3/16 WAS 1 1/16. IN B/M -9 (1 3/4 X 1 X 23 1/8) WAS (1 3/4 X 1 X 23 3/4). WT. CHG. NEG.	11-11-42	[illegible]
C	CREATED -2 ASSY. WT CHG NEG.	[illegible]	[illegible]
D	CREATED -21 SUB ASSY. AN545-B10-7 (8 PLCS) WAS (4 PLCS) NO WT CHG	1-22-43	[illegible]
E	CHANGED CUT OUT LOCATION DIM. FROM 6 3/4 TO 7. -9 LOCATING DIM. FROM 23 1/4 TO 23, -8 LOCATING DIM. FROM 12 7/16 TO 12 3/16, 5 1/16 DIM. TO 5 7/16, 6 DIM TO 6 1/4 NO WT CHG	3-1-43	[illegible]
F	IN B/M: FOR -10 REPLACED "K78F X 30 1/8, AL. AL. 24ST, 46A9 T" WITH "NOTED". FOR -11, REPLACED "K78F X 25 3/4, AL. AL. 24ST, 46A9 T" WITH "NOTED". FOR -12, REPLACED "K13639 X 12 1/2, AL. AL. 24ST, 46A9 T" WITH "NOTED". FOR -14, REPLACED "K78J X 1 1/4, AL. AL. 24ST, 46A9 T" WITH "NOTED" ON FACE OF DWG. ADDED MAT'L. NOTES 1, 2, 3, & 4. (WT CHG NEG)	3-22-43	[illegible]
G	IN B/M Q7102-AL10 (25) WAS Q7102-AL10 (25) NO WT CHG	9-8-43	[illegible]

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2
Q7102-AL10				25	25
Q5106-1032-14				1	
AN350-1032				1	
-21	SUB ASS'Y				
AC366-1032				1	
-14	NOTED	NOTED	NOTED	1	
AN426-AD3				2	
-13	SUB ASS'Y				
AN545-B10-7				8	8
-23	25 3/4 X 30 1/4 X 1/4 - 3 PLY SPRUCE PLYWOOD - AN-NN-P-511				1
AC365D1032				23	23
Q5106D10-22				4	4
Q5106D10-10				19	19
28F6710				2	2
-21	SUB ASSY			2	2
-17	MAKE FROM	AN251-1-8 3/4	HINGE PIN	1	1
-16	MAKE FROM	AN251-1-8 3/4	HINGE (HALF)	1	1
-15	MAKE FROM	AN251-1-8 3/4	HINGE (HALF)	1	1
-13	SUB-ASS'Y			2	2
-12	NOTED	NOTED	NOTED	1	1
-11	NOTED	NOTED	NOTED	1	1
-10	NOTED	NOTED	NOTED	1	1
-9	1 3/4 X 1 X 23 1/8 SPRUCE			1	1
-8	1 3/4 X 1 X 25 3/4 SPRUCE			1	1
-7	9 X 16 1/2 X 1/4 - 3 PLY SPRUCE PLYWOOD AN-NN-P-511			1	1
-6	25 3/4 X 30 1/4 X 1/4 - 3 PLY SPRUCE PLYWOOD AN-NN-P-511			1	

PARTS LIST PER ASSY.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-2	PBY-5A	28F6708	1
	PBY-5	28F6708	1

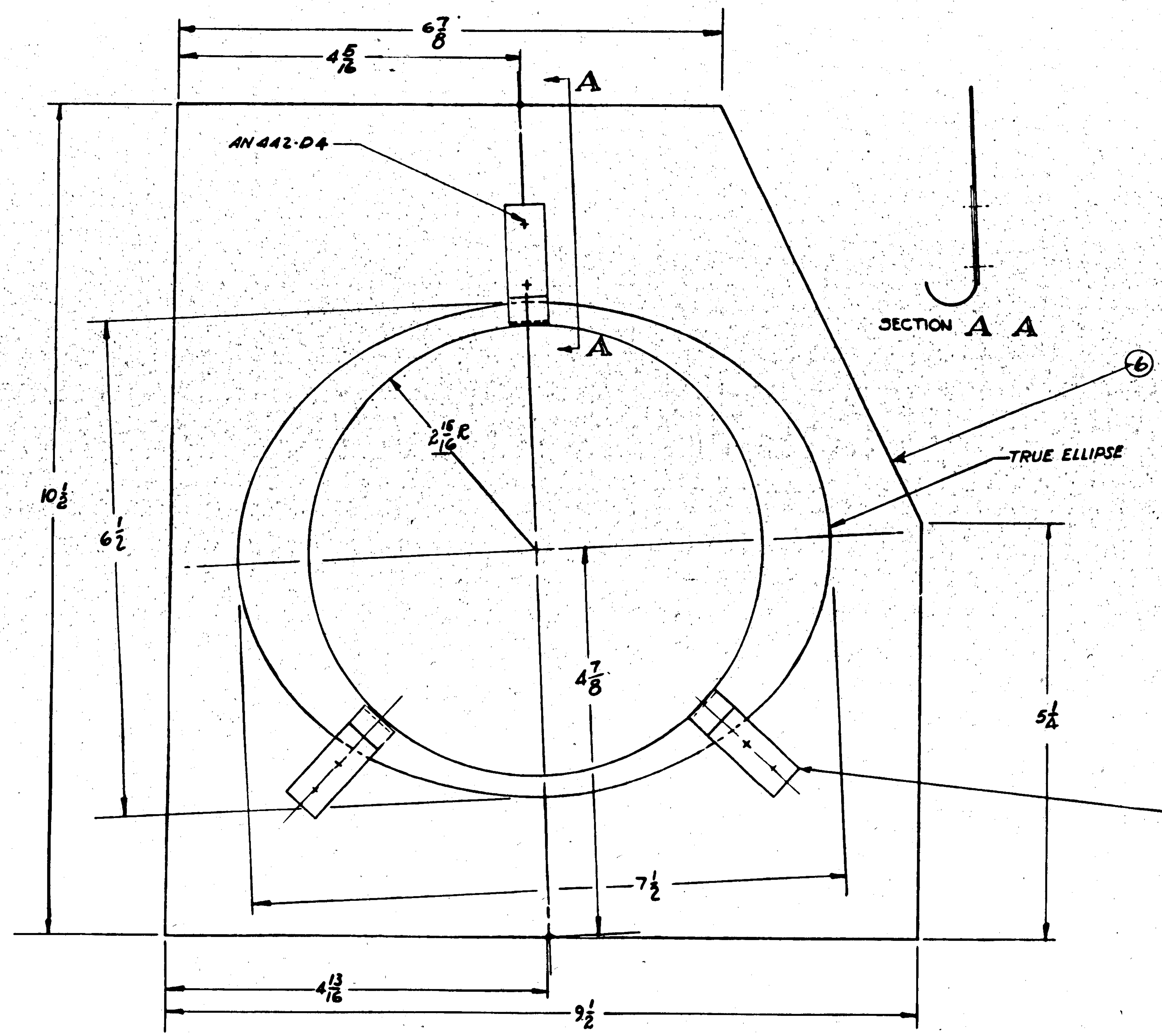
REQUIREMENTS PER AIRPLANE

C. H03(9) 464- / C-91876 (90 & ON) — #2 TO 100

REPLACES — 16.15 CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE NOTED: ± 1/32 — SCALE 6" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

AC — NAVY — HEAT TREAT — FINISH: NOTED
DRAFT / CHECK / STRUCT / MAT / APPROV

NAME ASSY-RADAR OPERATORS TABLE
CONSOLIDATED AIRCRAFT CORP.
G 28F6709



28F6735-6 (3 PLACES) 120° SPACING
ASSEMBLE CLIPS AS SHOWN
FOR L.H. ASSY
ASSEMBLE CLIPS ON
OPPOSITE SIDE FOR R.H. ASSY.

*23-14

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A	28W5186	1
-L	PBY-5A	28W5186	1
-R	PBY-5	28W5186	1
-L	PBY-5	28W5186	1

REQUIREMENTS PER AIRPLANE

REPLACES — .011 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32

SCALE: 12" = 1'-0

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ.
AN442-D4				
28F6735-6				3
-6	.032 x 1 1/2	ALCLAD	24S-T	

PARTS LIST PER ASSY.

A C

NAVY NONE — HEAT TREAT

Z-P-GD (-6 only) — FINISH

DRAFT / CHECK / STRUCT / MAT. / APPROV. / ENG.

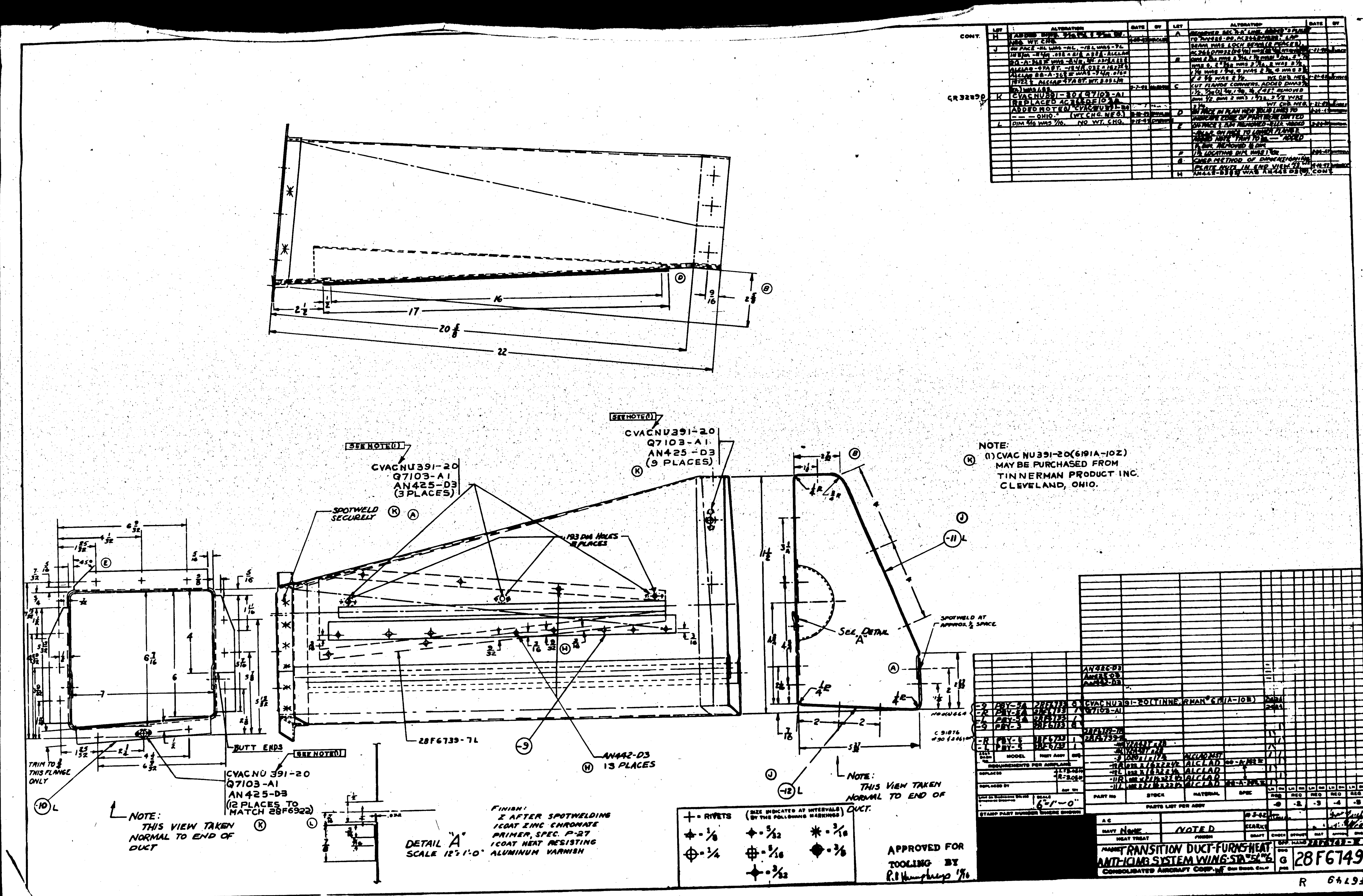
NAME BRACKET ASSY. FURNS HEAT ANTI-ICING SYS. WING STA 12.

OPP. HAND 28F6737-R

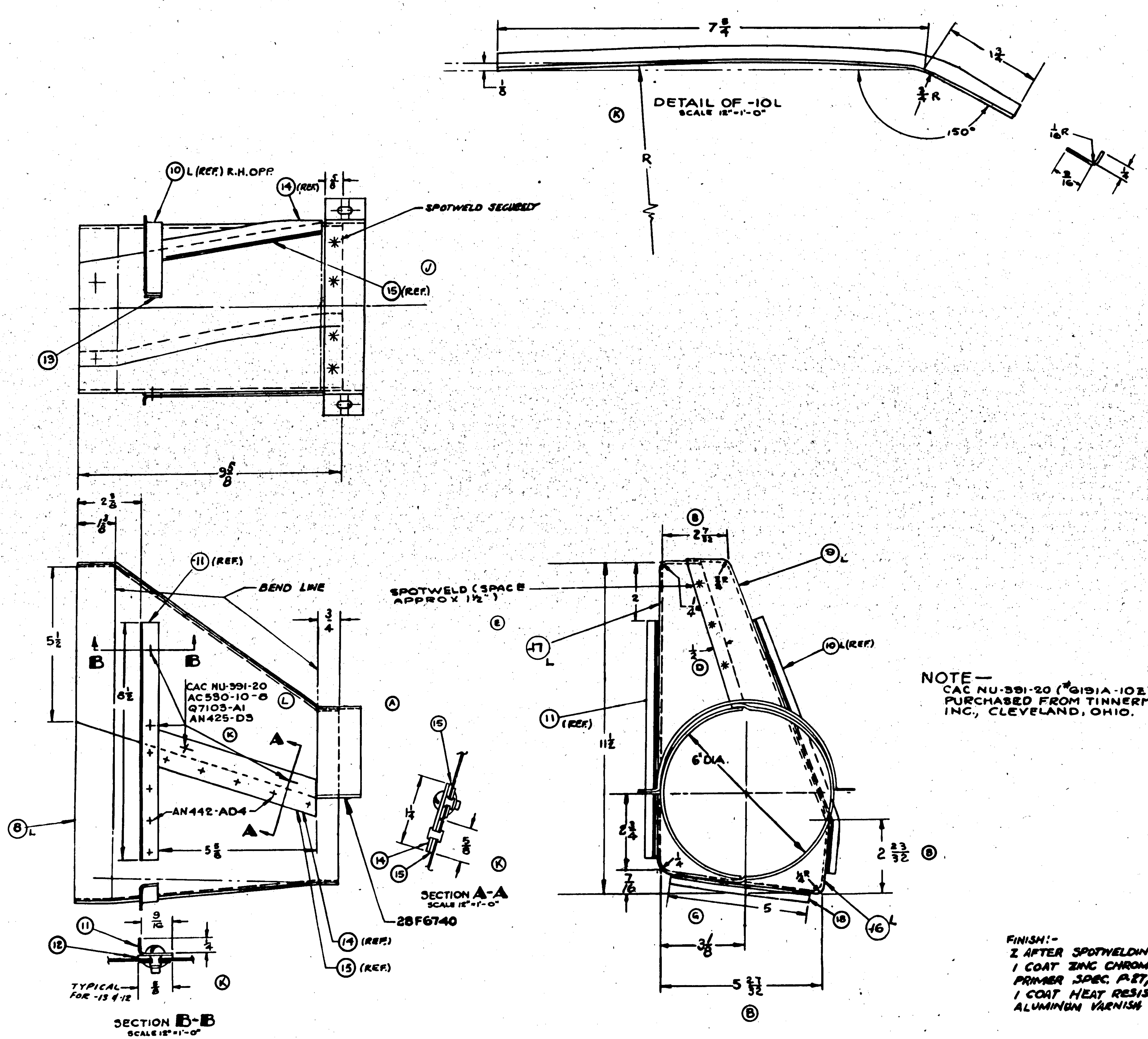
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SIZE G — DWG. 28F6737

1R



NOTE:
(1) CVAC NU391-20(6191A-102) MAY BE PURCHASED FROM TINNERMAN PRODUCT INC. CLEVELAND, OHIO.
SEE NOTE(1)
CVACNU391-20
Q7103-A1
AN425-D3
(9 PLACES)
CVACNU391-20
Q7103-A1
AN425-D3
(3 PLACES)
SPOTWELD SECURELY
.193 DIA HOLES 3 PLACES
SEE DETAIL "A"
SPOTWELD AT APPROX ½ SPACE
BUTT ENDS
TRIM TO ⅜ THIS FLANGE ONLY
CVACNU 391-20
Q7103-A1
AN425-D3
(12 PLACES TO MATCH 28F6922)
28F6739-7L
AN442-D3
13 PLACES
NOTE: THIS VIEW TAKEN NORMAL TO END OF DUCT
NOTE: THIS VIEW TAKEN NORMAL TO END OF DUCT.
DETAIL "A" SCALE 12"=1'-0"
FINISH: 2 AFTER SPOTWELDING 1 COAT ZINC CHROMATE PRIMER, SPEC. P-27 1 COAT HEAT RESISTING ALUMINUM VARNISH
RIVETS
APPROVED FOR TOOLING BY
SCALE 6"=1'-0"
PART NO
STOCK
MATERIAL
SPEC
PARTS LIST PER ASSY
ALCLAD
NAVY None
NOTED
HEAT TREAT
TRANSITION DUCT-FURN'S HEAT ANTI-ICING SYSTEM WING-STA
CONSOLIDATED AIRCRAFT CORP.
28F6749
R



NOTE—
CAC NU-391-20 (#6191A-10Z) MAY BE PURCHASED FROM TINNERMAN PROD. INC., CLEVELAND, OHIO.

FINISH:-
Z AFTER SPOTWELDING
1 COAT ZINC CHROMATE PRIMER SPEC. P27, &
1 COAT HEAT RESISTING ALUMINUM VARNISH

APPROVED FOR TOOLING BY
R R Humphrey 1/6

LET	ALTERATION	DATE	BY
J	ROTATE 28F6740 90° IN PLAN VIEW NO WT. CHG.	5-21-43	
K	IN ... -9⅝ & -7½ REMOVED & REPLACED WITH -16 L/R -17 L/R -8 L/R -9 L/R; ALSO ADDED -10 L/R -11,-12,-13,-14,-15, & -18; AC366 ... REMOVED & REPLACED WITH CAC NU 391-20; ADDED SECTIONS A-A & B-B WT. CHG. +.31 PER ASSY.		
MCR 178-5			
L	AC 530-10-8 (8) WAS AC 530-10 (8) NO WT. CHG.		
A	REPLACED JOGGLE LAP SEAM WITH PLAIN LAP SEAM ADDED SPOTWELD & FILLETWELD WT. CHG. NEG		
B	2 23/32 DIM WAS 2 9/16, 1⅛ WAS 1 9/32, 5 27/32 WAS 6, 2 23/32 WAS 3 11/16, 1¼ WAS 1⅛, 4 WAS 2½ & 4 WAS 3½. WT. CHG. NEG	1-21-43	ROSS
C	ADDED ⅜ DIM NO WT. CHG.	1-21-43	ROSS
D	CHG'D LOCATION OF SEAMS FROM SIDES TO TOP & BOTTOM (.016X10X19) WAS (.016X10X13) FOR -6 L&R; (.016X11X14) WAS (.016X10 X21) FOR -7 L&R. WT. CHG. NEG	1-21-43	ROSS
E	REM'D NOTE "FILLET WELD" NO WT CHG.	3-1-43	
F	ADDED BOOTS TYPE (NO WT. CHG)		
G	AC366DF1032 (7) WAS (8) REMOVED Z DIM (2). (WT CHG NEG)	3-16-43	
H	ROTATED 28F6740, 90° NO WT. CHG.	3-31-43	

EOA 92743 MCR 23-10; MCR 23-18; EOA 93235; EOA 94679 MCA 23-18

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH
Q7103-A1				8	8
AC530-10-8				8	8
AN442-AD4					
AN425-D3					
CVAC NU391-20 (TINNERMAN 6191 A-10Z)				8	8
28F6740				1	1
-18	.040X7/8X5	ALCLAD	QQA362-T	1	1
-15	.040X5/8X6½			4	4
-14	.040X1⅜X6¼			2	2
-13	.040X5/8X9⅝			1	1
-12	.040X7/8X6⅝			1	1
-11	.040X7/8X6⅝			1	1
-10R	.040X7/8X9⅝				1
-10L	.040X7/8X9⅝			1	
-9R	.016X7½X12½				1
-9L	.016X7½X12½			1	
-8R	.016X9½X10				1
-8L	.016X9½X10			1	
-17R	.016X7X12				1
-17L	.016X7X12			1	
-16R	.016X9½X10				1
-16L	.016X9½X10	ALCLAD	QQA362-T	1	

PARTS LIST FOR ASSY. -0 -2 -3 -4 -5

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-R	PBY-5A	28F6733	1
-L	PBY-5A	28F6733	1
-R	PBY-5	28F6733	1
-L	PBY-5	28F6733	1

MCR# 178-5; MCR# 23-18

REQUIREMENTS PER AIRPLANE

REPLACES — LH .94 RH .94 CALC. WT.

REPLACED BY

TOLERANCE ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT; NOTED — FINISH; 9-5-42

NAME TRANSITION DUCT— FURNS— ANTI-ICING SYS.— WING STA. 11

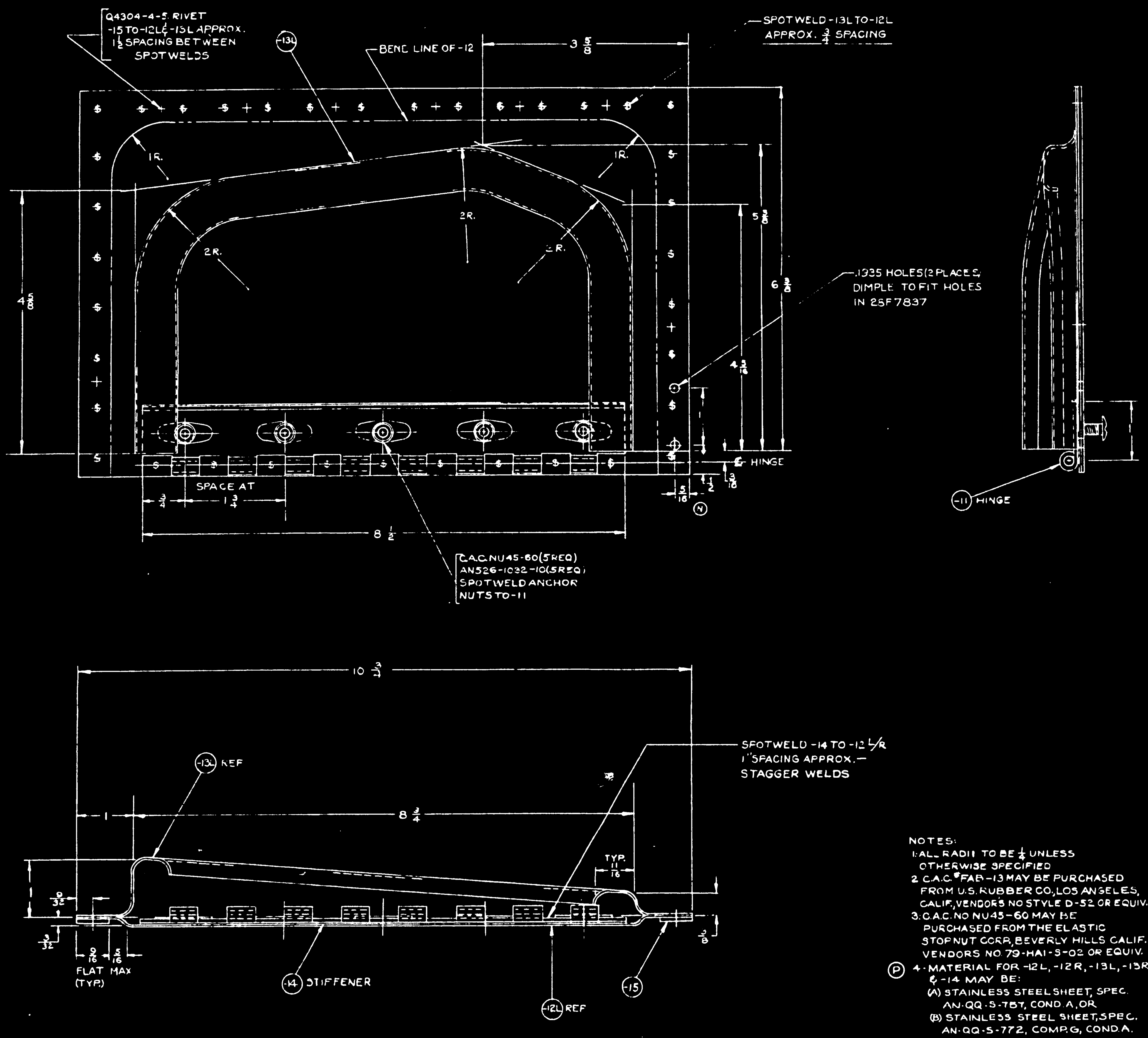
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND 28F6750-R

SIZE G — DWG. 28F6750

R 28F6750

LET	ALTERATION	DATE	BY
M.	TRACED L H PART SHOWN WAS R.H. PART. NO WT. CHG.	7-1-43	WELCH
N	5/16 DIM. WAS 1/4 NO WT. CHG.	7-1-43	
P	IN B/M FOR -12 L/R, -13 L/R & -14, REPLACED "STAINLESS STL", & "AN-QQ-S-757" WITH "NOTED." ADDED NOTE #4. NO WT. CHG.	15-43	LARSEN



NOTES:

1. ALL RADII TO BE 1/4 UNLESS OTHERWISE SPECIFIED
2. C.A.C. #FAB-13 MAY BE PURCHASED FROM U.S. RUBBER CO., LOS ANGELES, CALIF., VENDOR'S NO STYLE D-52 OR EQUIV.
3. C.A.C. NO NU45-60 MAY BE PURCHASED FROM THE ELASTIC STOPNUT CORP, BEVERLY HILLS CALIF. VENDORS NO. 79-HAI-S-02 OR EQUIV.
4. (P) MATERIAL FOR -12L, -12R, -13L, -13R, & -14 MAY BE:
   (A) STAINLESS STEEL SHEET, SPEC. AN-QQ-S-757, COND. A, OR
   (B) STAINLESS STEEL SHEET, SPEC. AN-QQ-S-772, COMP. G, COND. A.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-R	PBY-5A	28F6787	1
-L	PBY-5A	28F6787	1
-R	PBY-5	28F6787	1
-L	PBY-5	28F6787	1

M.C.R. 17A-3; M.C.R. 23-10

REQUIREMENTS PER AIRPLANE

REPLACES 28F6753 OF 12/16/42 — CALC WT 1.09#

SCALE 1/32 — 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC	REQ
AN526-1032-10				5
CAC #NU45-60				5
Q4304-4-5				
-15	1/16 X 6 7/8 X 11	NEOPRENE	C.A.C. FAB 13	1
-14	.018 X 1 1/4 X 6 7/8	NOTED	NOTED	1
-13R	.018 X 8 X 12 1/2			
-13L	.018 X 8 X 12 1/2			1
-12R	.031 X 8 X 12 1/2			
-12L	.031 X 8 X 12 1/2	NOTED	NOTED	1
-11	MAKE FROM AN251-HC3-8.5 1/2 HINGE			1

PARTS LIST PER ASSY

APPROVED FOR TOOLING BY F.B. HUMPHREYS 12-24-42

ENG. FILE

A.C. — NAVY NONE — HEAT TREAT

PICKLE & PASSIVATE — FINISH

FINKLESTEIN DUBLIN ED.N GUERIN BRANDS 12-16-42

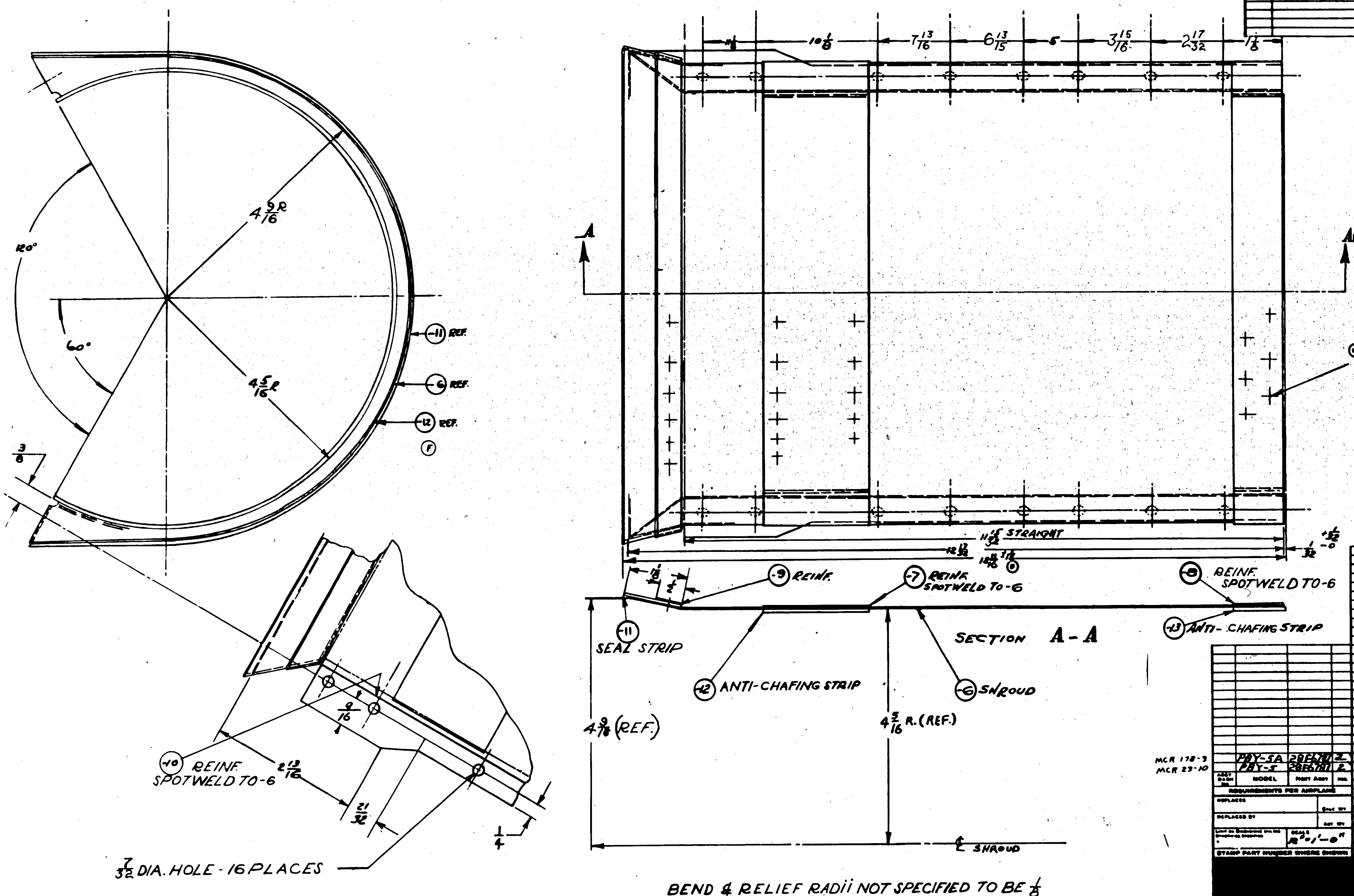
NAME DOOR ASS'Y. FURN.-ANTI-ICER SYS.

OPP HAND 28F6753-R

DWG G 28F6753

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

R 28F6753



BEND & RELIEF RADII NOT SPECIFIED TO BE $\frac{1}{8}$

LET	ALTERATION	DATE	BY
A	ADDED MONEL RIVET #3-70 PLACES TO B/M	10-19	MERICK
B	-11-12 & -13 FAB 13-25 WERE FAB 12-50	11-5	WALLACE
C	REPLACED MONEL RIVETS WITH Q4304-C4-4		REED
D	$12\frac{11}{16}$ DIM WAS $12\frac{1}{16}$		REED
E	ADDED $4\frac{9}{16}$R & $4\frac{5}{16}$R		REED
F	ADDED -11-6 & -12 REF		REED
	REMOVED SPEC "125000" & REPLACED WITH "NONE" IN HEAT TREAT BLOCK NO WT CHG		
H	CHANGED ARROWHEADS FOR $4\frac{9}{16}$R & $4\frac{5}{16}$R IN SIDE ELEVATION NO WT CHG		TROUSEL
J	CHGD ARROWHEAD FOR $4\frac{9}{16}$R IN SIDE AND BOTTOM VIEWS NO WT CHG		WALLACE

MCR 178-3
MCR 23-10

ASSY DASH NO	MODEL	NEXT ASSY	NO.
	PBY-5A	28F6701	2
	PBY-5	28F6701	2

REQUIREMENTS PER AIRPLANE

REPLACES / REPLACED BY / SCALE $R'' = 1'-0''$ / STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC	REQ -0
Q4304-C4				92
-13	$\frac{1}{16}$ X $1\frac{1}{2}$ X 21	NEOASBEST	FAB 13-25	1
-12	$\frac{1}{16}$ X $2\frac{1}{2}$ X 21	NEOASBEST	FAB 13-25	1
-11	$\frac{1}{16}$ X $1\frac{1}{16}$ X 21	NEOASBEST	FAB 13-25	1
-10	.018 X $\frac{7}{8}$ X 21	COR RES STL	AN-QQ-S-757	1
-9	.018 X $\frac{3}{4}$ X 21			1
-8	.018 X $1\frac{1}{2}$ X 21			1
-7	.018 X $2\frac{1}{4}$ X 21			1
-6	.018 X 16 X 26	COR RES STL	AN-QQ-S-757	1

PARTS LIST FOR ASSY.

A C		
NAVY NONE	NONE	
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV

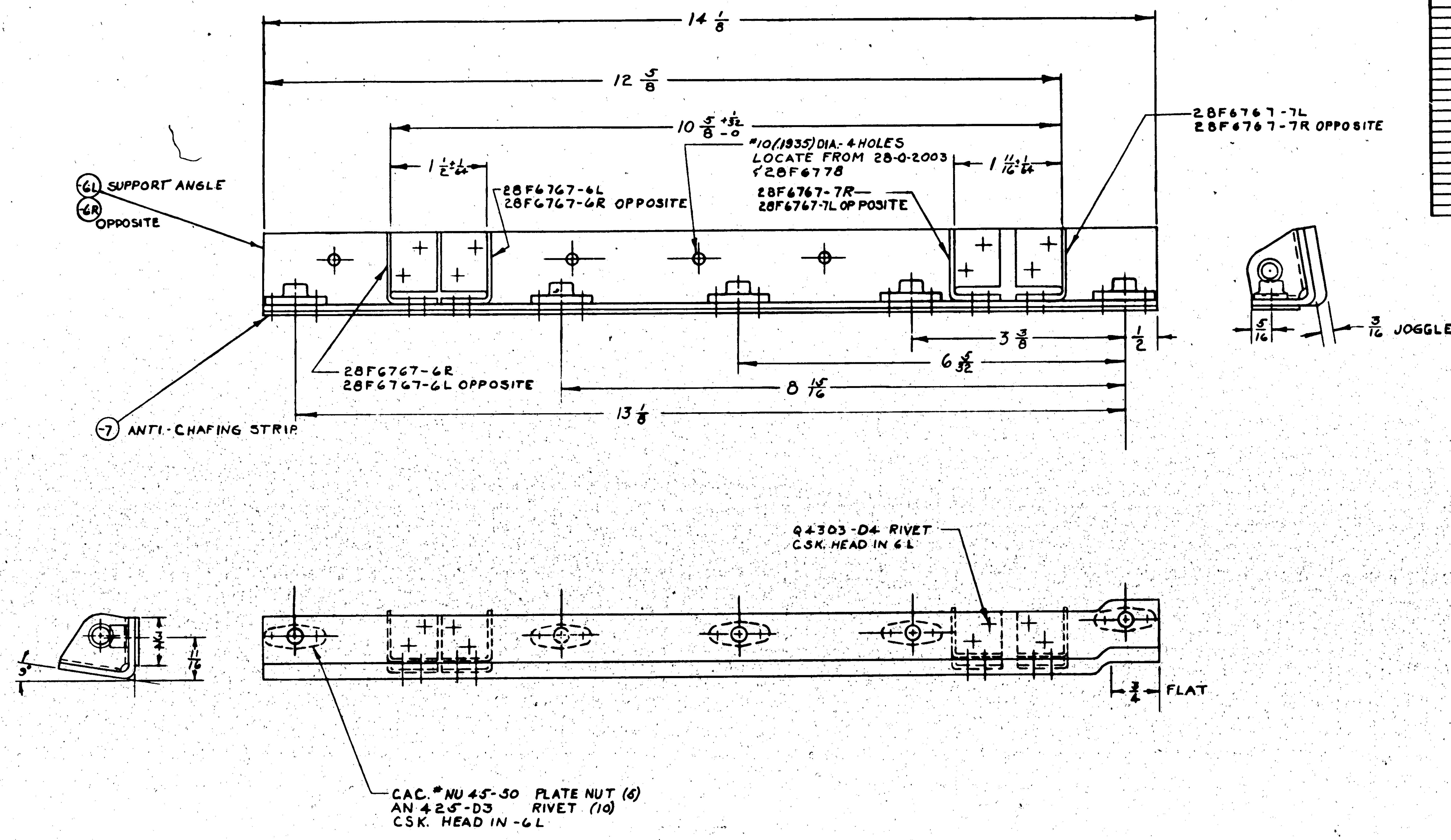
NAME SHROUD ASSY. UPPER EXHAUST HEAT EXCHANGER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

G 28F6762

R 28F6762

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				E	REDRAWN	4-1-43	



NOTES:
1. CAC #NU45-50 MAY BE PURCHASED FROM ELASTIC STOPNUT CORP., BEVERLY HILLS, CALIF. VENDOR'S NO. 79HA1-02 OR EQUIV.
2. CAC #FAB 12-50 MAY BE PURCHASED FROM JOHN MANSVILLE CORP., SAN FRANCISCO, CALIF.
3. INSULATE ALL DISSIMILAR METALS WITH ZINC CHROMATE PASTE.

NOA(S) 464, MCR 178-3 (-R, -L PBY-5A)
C 31876, MCR 23-10 & ON (-R, -L PBY-5)

DASH NO.	MODEL	NEXT ASSY.	NO.
-R	PBY-5A	28F6778	1
-L	PBY-5A	28F6778	1
-R	PBY-5	28F6778	1
-L	PBY-5	28F6778	1

REQUIREMENTS PER AIRPLANE

SUPERSEDES 28F6765 OF 9-12-42 — EST. WT. .34
REPLACED BY — ACT. WT.
LIMITS: ± 1/64 ± 1/32" — SCALE 1/2" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH
CAC NU45-50				5	5
Q4303-D4					
AN425-D3					
28F6767-7R				1	1
28F6767-7L				1	1
28F6767-6R				1	1
28F6767-6L				1	1
-7	1/16 × 1 3/16 × 14 1/4	NEO. ASBESTOS	FAB 12-50	1	1
-6R	Y6-A-46T × 14 1/8				1
-6L	Y6-A-46T × 14 1/8			1	

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV
NAVY	Z-P-GP	KRIEGER 4-1-43	4-12-43		4-23-43	
HEAT TREAT	FINISH					

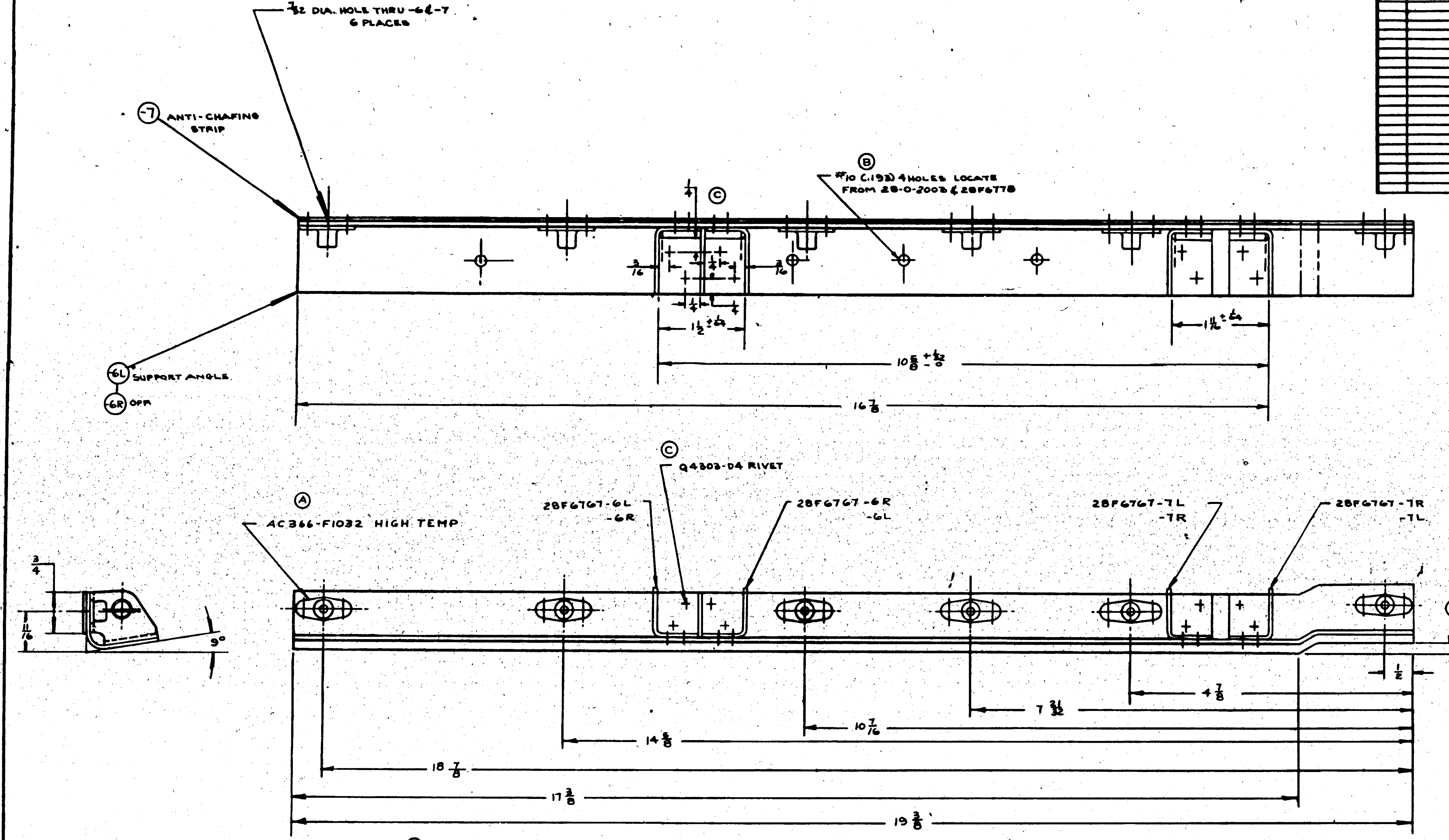
NAME SUPPORT ASSY. - EXHAUST HEAT EXCHANGER

OPP. HAND 28F6765-R

DWG. SIZE G — 28F6765

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 3929382



Ⓐ NOTE:-

1. INSULATE DISSIMILAR METALS WITH ZINC CHROMATE PASTE
2. #10 (.193)-4 HOLES LOCATE FROM 28-0-2003 & 28F6778

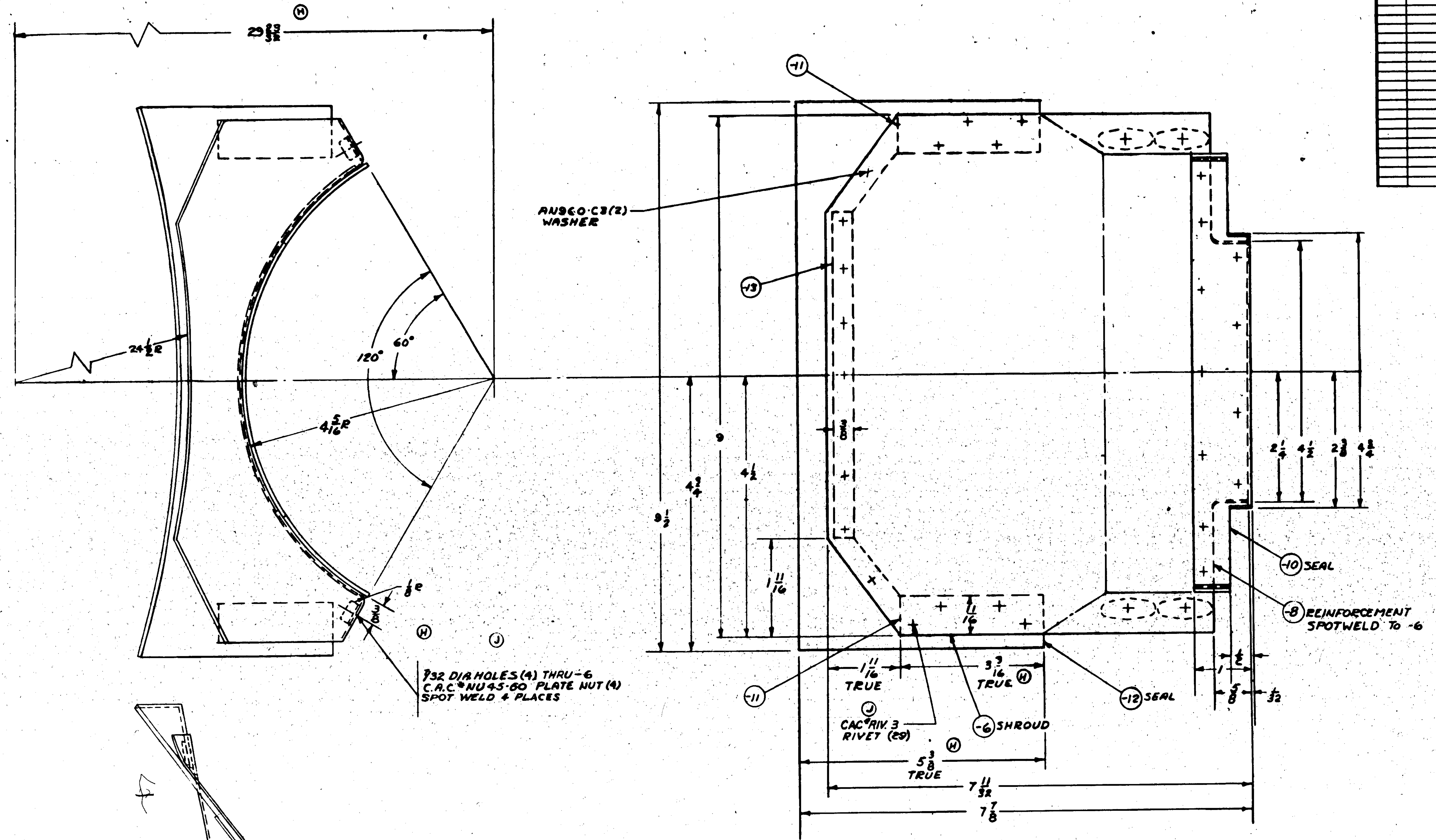
APPROVED FOR TOOLING BY R.B. HUMPHREYS 10/10

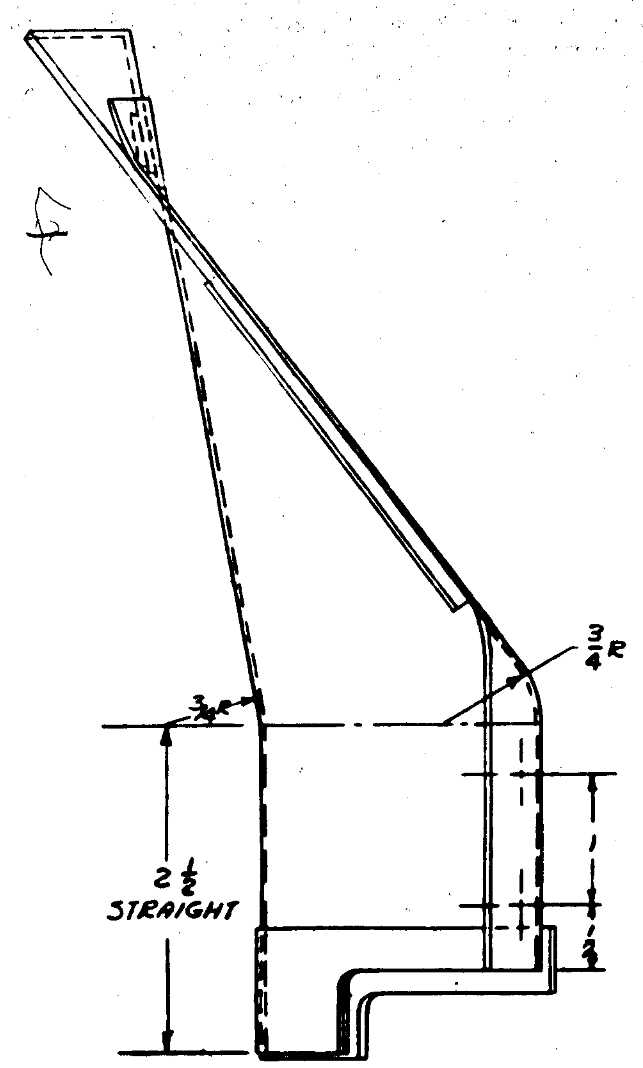
SUPPORT ASS'Y EXH. HEAT EXCHANGER-RIGHT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

OPP HAND 28F6766R

G 28F6766





A.C.A. 178-3
A.C.A. 23-10

GENERAL NOTES:

(H)

1. C.A.C. RIV 3 MAY BE PURCHASED FROM PROGRESSIVE MFG. CO, TORRINGTON, CONN.
2. C.A.C. FAB 13 25 MAY BE PURCHASED FROM U.S. RUBBER CORP. LOS ANGELES, CALIF.
3. C.A.C. NU-45-60 MAY BE PURCHASED FROM ELASTIC STOP NUT CORP. LOS ANGELES, CALIF. VENDORS NO. 79NAI-02 OR EQUIV.

APPROVED FOR TOOLING BY
E. E. Dalton
4-30-42

LET	ALTERATION	DATE	BY
G	REDRAWN TO SCALE, NO WT. CH.	3-27-43	
H	CHGD. REQ FOR RIV. 3 FROM 40 TO 37 & ADDED PURCHASE NOTES FOR RIV. 3 & FAB 13-25. REMOVED AUX. VIEW OF NU 45-50 INSTALL. & SEC. A-A. REMOVED DIM. 7 11/32 & ADDED DIMS. 3 3/16, 5 3/8 & 1/2. CHGD DIM 29 3/32 TO 29 23/32. NO WT. CH.	3-27-43	
J	RIV. 3 (29 REQ) WAS (37 REQ) NU45-60 (ST-TEMP) WAS NU45-50. WT. CHG. NEG.	8-?-43	

PART No	STOCK	MATERIAL	SPEC.	REQ -0
AN960-C3				2
CAC NU45-60 (ST. STL. HIGH TEMP)				4
CAC RIV. 3	(3/32 DIA X 1/4) MONEL RIVET			29
-13	.018 X 1/2 X 6 1/2	COR. RES. S.T.	AN-QQ-S-772 1/4 H	1
-12	1/16 X 6 X 10	NEO. ASB. WITHOUT WIRE	FAB 13-25	1
-11	.018 X 1 X 3 1/2	COR. RES. S.T.	AN-QQ-S-772 1/4 H.	2
-10	1/16 X 1 1/2 X 10	NEO. ASB.	FAB 13-25	1
-8	.018 X 1 1/2 X 10	COR. RES. ST.	AN-QQ-S-772 1/4 H.	1
-6	.018 X 10 X 12	COR. RES. ST.	AN-QQ-S-772 ANNEALED	1

PARTS LIST PER ASSY.

MODEL	NEXT ASSY.	NO.
P4Y-5A	28F6787	2
P4Y-5	28F6787	2

REQUIREMENTS PER AIRPLANE

REPLACES 28F6770 OF 3-16-42 — CALC. WT. .74
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 ± 1/2° — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NONE	WALLACE 3-27-43	4-14-43				
HEAT TREAT	FINISH						

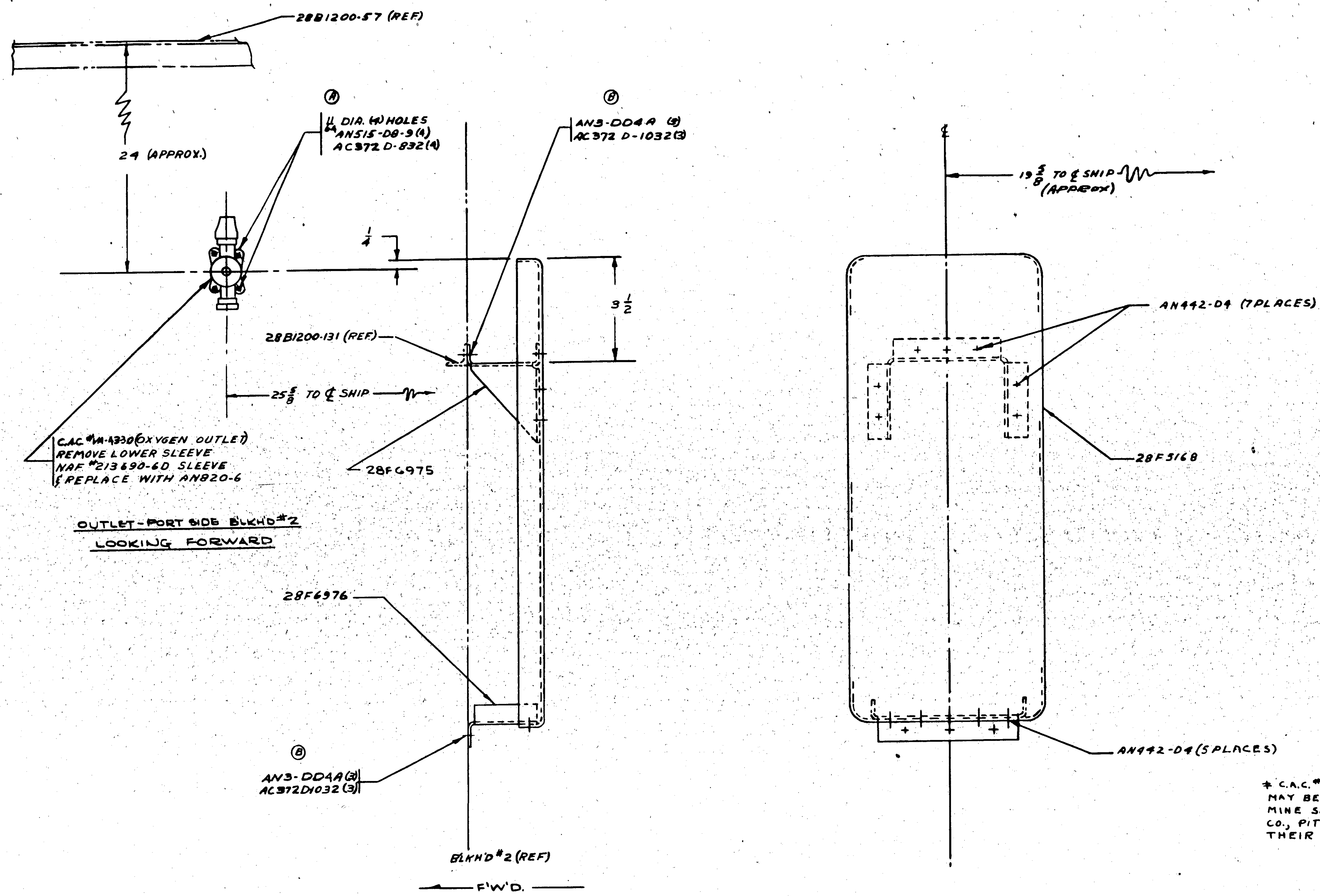
NAME SHROUD SCOOP ASSY - HEAT EXCHANGER

OPP. HAND

DWG. SIZE G — 28F6770

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F6770R



LET	ALTERATION	DATE	BY
A	11/64 WAS 11/16. NO WT CHG	11-4-42	MOE
B	AN3-DD4A WAS AN5K-DM-8. & AC372-D832 & -D1032 WERE AC365-D832 & -D1032 RESP. WT. CHG. NEG.	11-12-42	MOE

* C.A.C. #VA-43-30 (OXYGEN OUTLET) * MAY BE PURCHASED FROM MINE SAFETY APPLIANCE CO., PITTSBURGH PENN. THEIR PART #SK-1213-110

PART NO.	STOCK	MATERIAL	SPEC	REQ. -0
C.A.C. #	VA-43-30	(OXYGEN	OUTLET)	1
AN820-	6			1
AN515D	8-9			4
AN3-DD	4A			6
AN442	D4			
AC372	D-1032			6
AC372	D-832			4
28F6976				1
28F6975				1
28F5168				1

PARTS LIST PER ASSY.

(C.#31876) #30 & ON
(M.C.R. #84-5)

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
	PBY-5	28F5156	1

REQUIREMENTS PER AIRPLANE

REPLACES E.O. A62135A — CALC. WT. .03

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SH.

NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT MOE 11-3-42 — CHECK — STRUCT — MAT — APPROV — ENG.

OFF. HAND

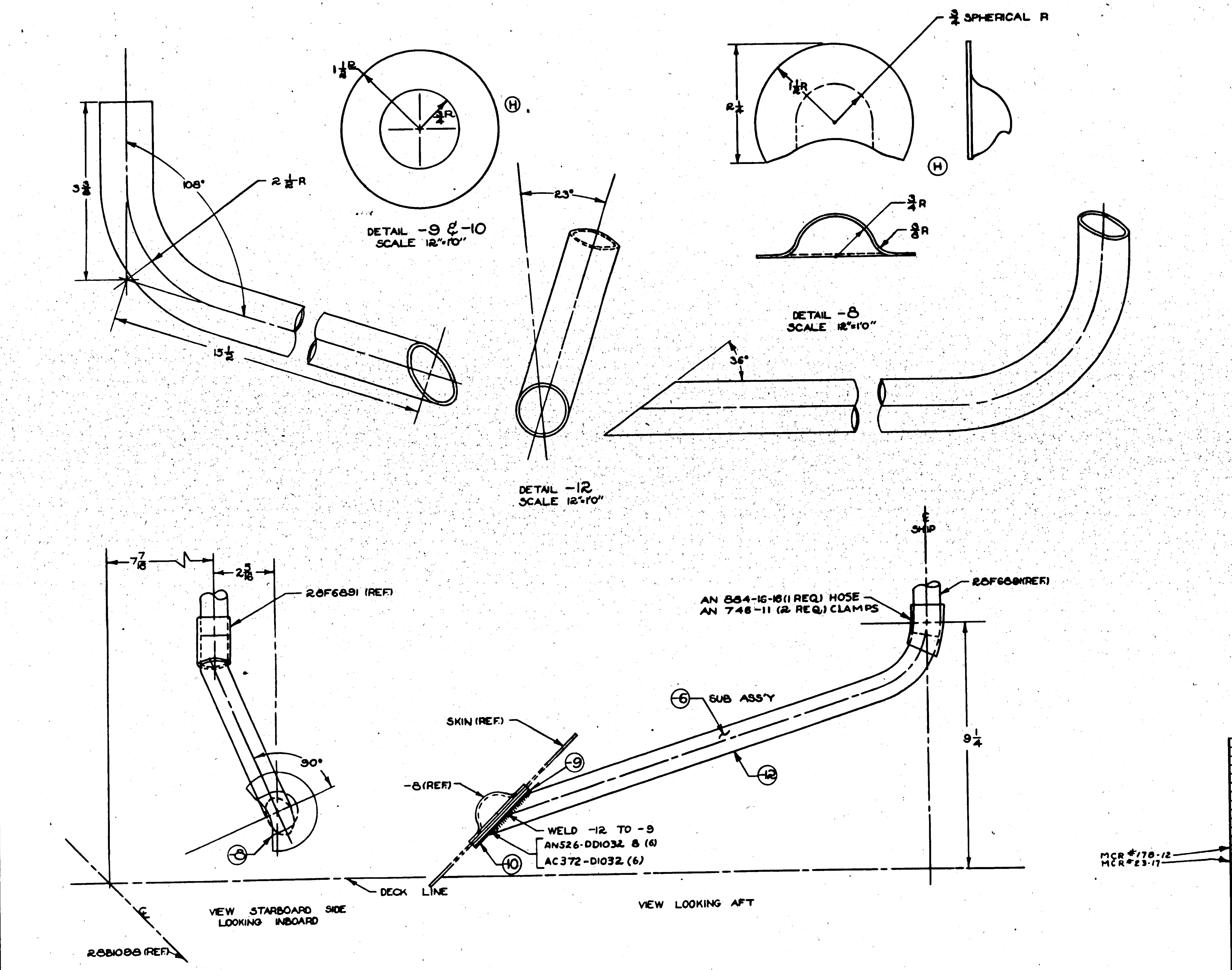
NAME INSTALL.-FURN'S.-NAVIGATOR'S REBREATHER BLKHD 2

CONSOLIDATED AIRCRAFT CORP. — SAN DIEGO, CALIF.

DWG. SIZE G — 28F6780

R 11/42

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				H	REVISED & REDRAWN TO CONFORM WITH PARTS 28F6782 WAS 28F6782 SH'T 1 & 2. NO WT. CHG.	2-30-43	[illegible]



ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F6731	1
	PBY-5	28F6731	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6782-9-28-42 — 746 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & 1/2° — SCALE 6"=1'0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN884-16-16				1
-12	1OD × .035 × 20	AL. AL. TUBE	W-T-787	1
-9	.032 × 3 1/4 × 3 1/4	AL. AL. SHT.	47A10A	1
-6	SUB ASS'Y			
AC372-D1032				6
AN526-DD1032-8				6
AN746-11				2
-10	1/32 × 3 1/4 × 3 1/4	HYCAR	COMM.	1
-8	.032 × 2 3/4 × 4	ALC. 24ST	QQ-A-362	1
-4	SUB ASS'Y			1

PARTS LIST PER ASSY. (REQ. LH/RH: -0, -2, -3, -4, -5)

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY —	Z-P-GP	FINKLE 9-26-42	6-30-43			10-17-42	
HEAT TREAT	FINISH						

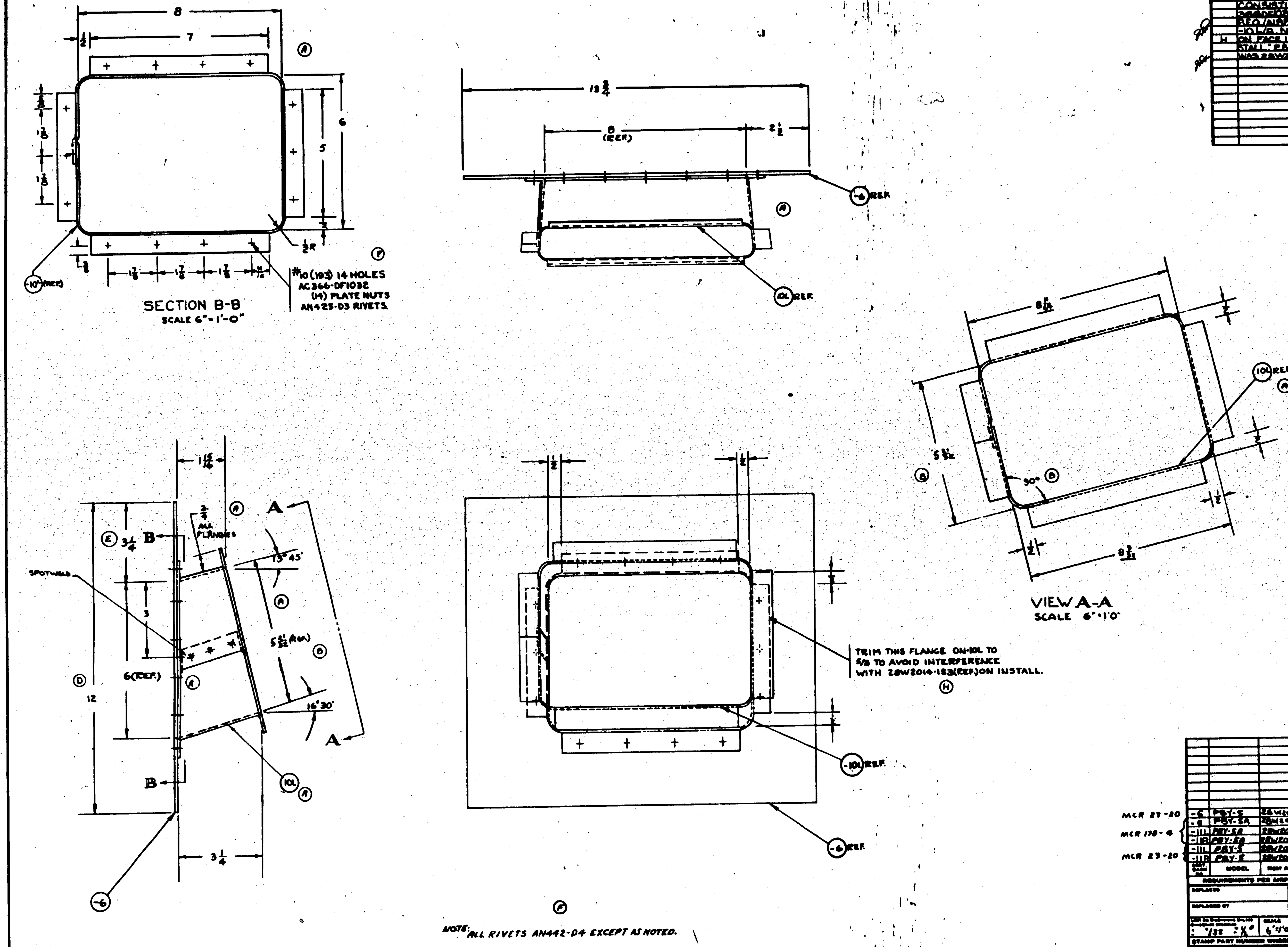
NAME INSTALL. FURN. DRAIN INTAKE DUCT EMPENNAGE ANTI-ICING SYSTEM

OPP. HAND —

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SIZE G — DWG. 28F6782

R 28F6782



LTR	ALTERATION	DATE	BY
G	IN B/M CREATED -11L SUB ASSY CONSISTING OF -101 (1) AC366DF1032 (14) AN425D3 & CREATED -11R SUB ASSY CONSISTING OF -10R (1) AC366DF1032 (14) AN425D3 IN REQ/AIRP BLK -11L/R WAS -10L/R. NO WT. CHG.		
H	ON FACE IN NOTE "TRIM --- INSTALL." 28W2014-153 (REF) WAS 28W2014-150 (REF) NO WT. CHG.		
A	REPLACED -1, -2 & -3 WITH -10L/R. ADDED DIM ... & NOTE ... WEIGHT CHANGE		
B	... ADDED DIM 5 1/32. ANGLE 90° AND NOTE "RIVETS ---" ... WT. CHG.		
C	CHG'D NOTE "DO NOT RIVET -6 TO -6 UNTIL INSTALL" TO "DO NOT RIVET -10L/R TO -6 UNTIL INSTALL" REVISED REQ/AIRPLANE. NO WT. CHG.		
D	CHANGED 12 1/2 DIM. ON -6 TO 12 & CHANGED SPEC. DIM OF -6 FROM 12 1/2 TO 12. WT 1.49 WAS 1.53		
E	CHG'D DIM 3 TO 3 1/4. NO WT. CH.		
F	"ALL --- NOTED" WAS "ALL --- AN442-D4" REMOVED NOTE "DO NOT --- INSTALL" ADDED AC366-DF1032, AN425-D3, ADDED DIMS ... REVISED		

MCR	ASSY DASH NO.	MODEL	NEXT ASSY	NO.
MCR 23-20	-6	PBY-5	28W2014	1
MCR 170-4	-6	PBY-5A	28W2014	1
MCR 170-4	-11L	PBY-5A	28W2014	1
MCR 170-4	-11R	PBY-5A	28W2014	1
MCR 23-20	-11L	PBY-5	28W2014	1
MCR 23-20	-11R	PBY-5	28W2014	1

REQUIREMENTS FOR AIRPLANE

REPLACES — 1.49 CALC. WT.

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SHOWN: ± 1/32 ± 1/2° — SCALE 6"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ.
AC366DF1032				14
AN425D3				
-10R	.032 x 6 x 27 3/4	ALCLAD	QQ-A-362 II	1
-10L	.032 x 6 x 27 3/4	ALCLAD	QQ-A-362 II	1
-11L/R	SUB ASS'Y			
-11R	SUB ASSY			
-11L	SUB ASSY			
-6	.072 x 12 x 13 3/4	ALCLAD	52S0-T	

PARTS LIST FOR ASSY.

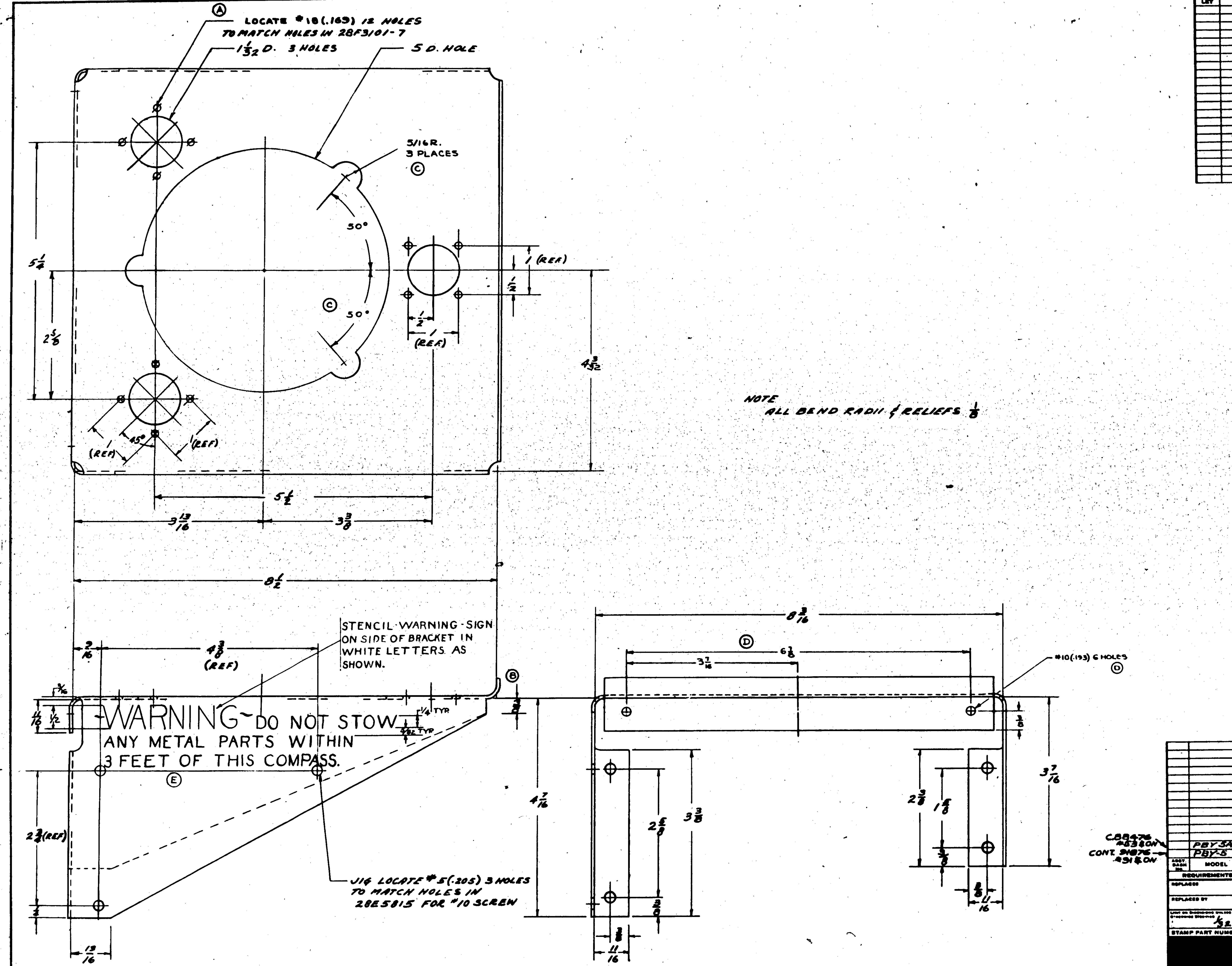
AC — NAVY: ZP-6P — HEAT TREAT — FINISH

NAME: EXHAUST OUTLET-WING-ANTI-ICING SYSTEM

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6798

APPROVED FOR TOOLING BY P.A. Humphreys 10-28-42



LET	ALTERATION	DATE	BY
A	NOTE: "LOCATE #18 (.169) — — IN 28F3101-7" WAS " .118 LOCATE #24 (.150) — — 28F3101-7" NO WT CHG.		
B	REVERSED FLANGE NO WT. CHG.		ROSS
C	ADDED 5/16 R. 3 PLACES & 50° WT. CHG. NEG.		ROSS
D	ADDED HOLES (2); LOC. DIMS: 3 7/16, 6 7/8 & 3/8 & NOTE "#10 (.193) 6 HOLES. WT. CHG. NEG.		
E	ADDED "WARNING" SIGN TO SIDE OF SUPPORT. WT. CHG. NEG.	7-20-43	STEWART

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP GREEN PRIME

CB8476 #53 & ON
CONT. 91876 #91 & ON

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F5450	1
	PBY-5	28F5460	1

REQUIREMENTS PER AIRPLANE

REPLACES — .99 CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC
-0	.064 X 10 X 16 1/2	24ST ALC.	47A8-T

PARTS LIST PER ASSY.

A C
NAVY —
HEAT TREAT
FINISH Z-P-GP

DRAFT 7-4-42 OTTON; CHECK GERBO; STRUCT RUSSELL; MAT 7-14-42; APPROV ZNK; ENG FRELL; CALIZIA 7-16-42

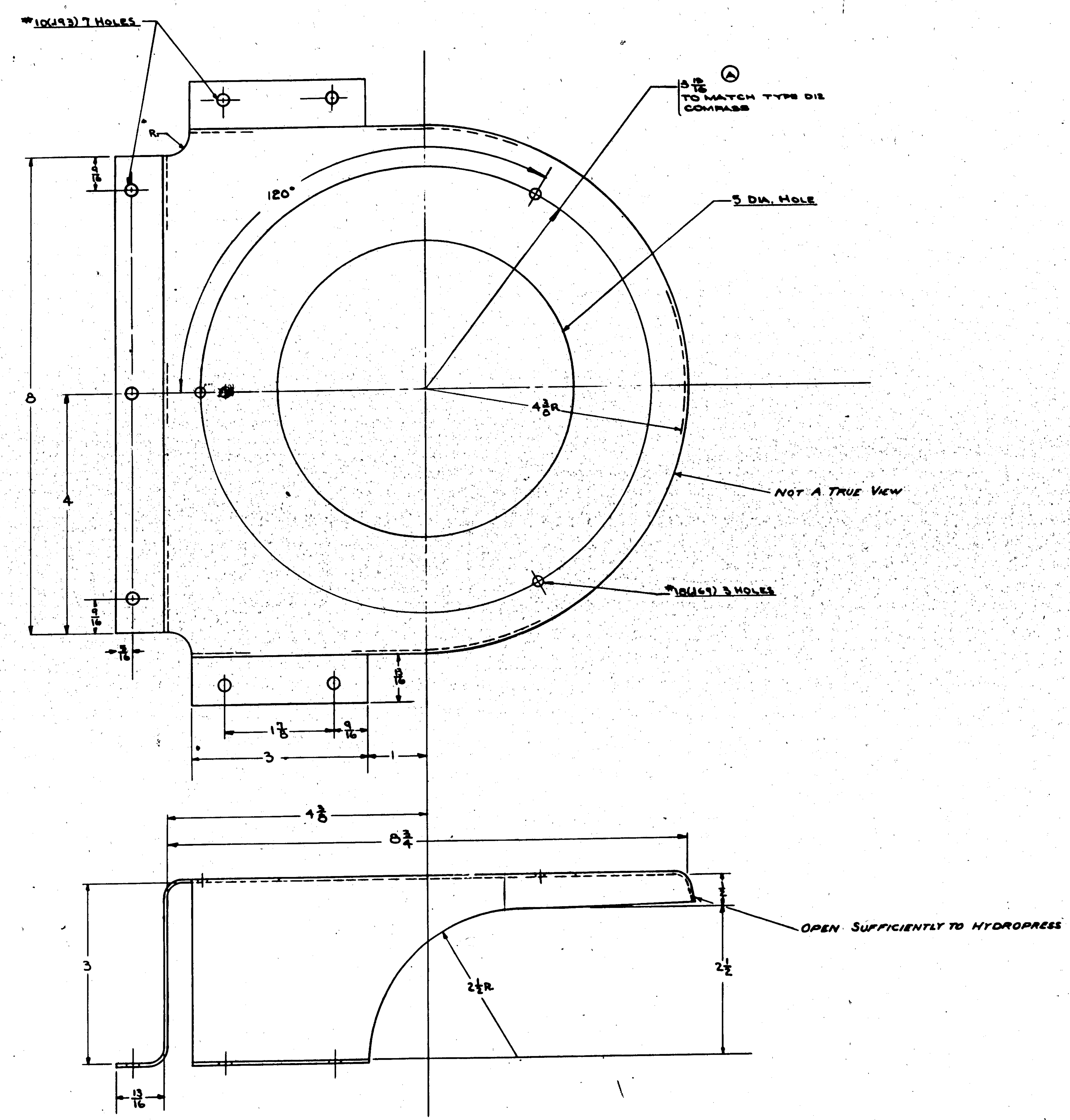
OPP HAND —

NAME SUPPORT-FURN-REMOTE INDIC. COMPASS TRANSMIT.

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif

SIZE G — DWG 28F6806

R



ALL BEND RADII 1/8 UNLESS OTHERWISE SPECIFIED

LET	ALTERATION	DATE	BY
A	DIM. 3 13/16 WAS 3 7/8 ADDED NOTE "TO MATCH TYPE D12 COMPASS"		

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP - GREEN PRIME

CONT. 80476
CONT. 91876

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F5416	1
	PBY-5	28F5416	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.064 X 13 3/4 X 16 3/4	ALCLAD	24ST-T					

PARTS LIST PER ASSY.

A C		7-1-42					
NAVY —	Z-P-GP						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

OPP. HAND NONE

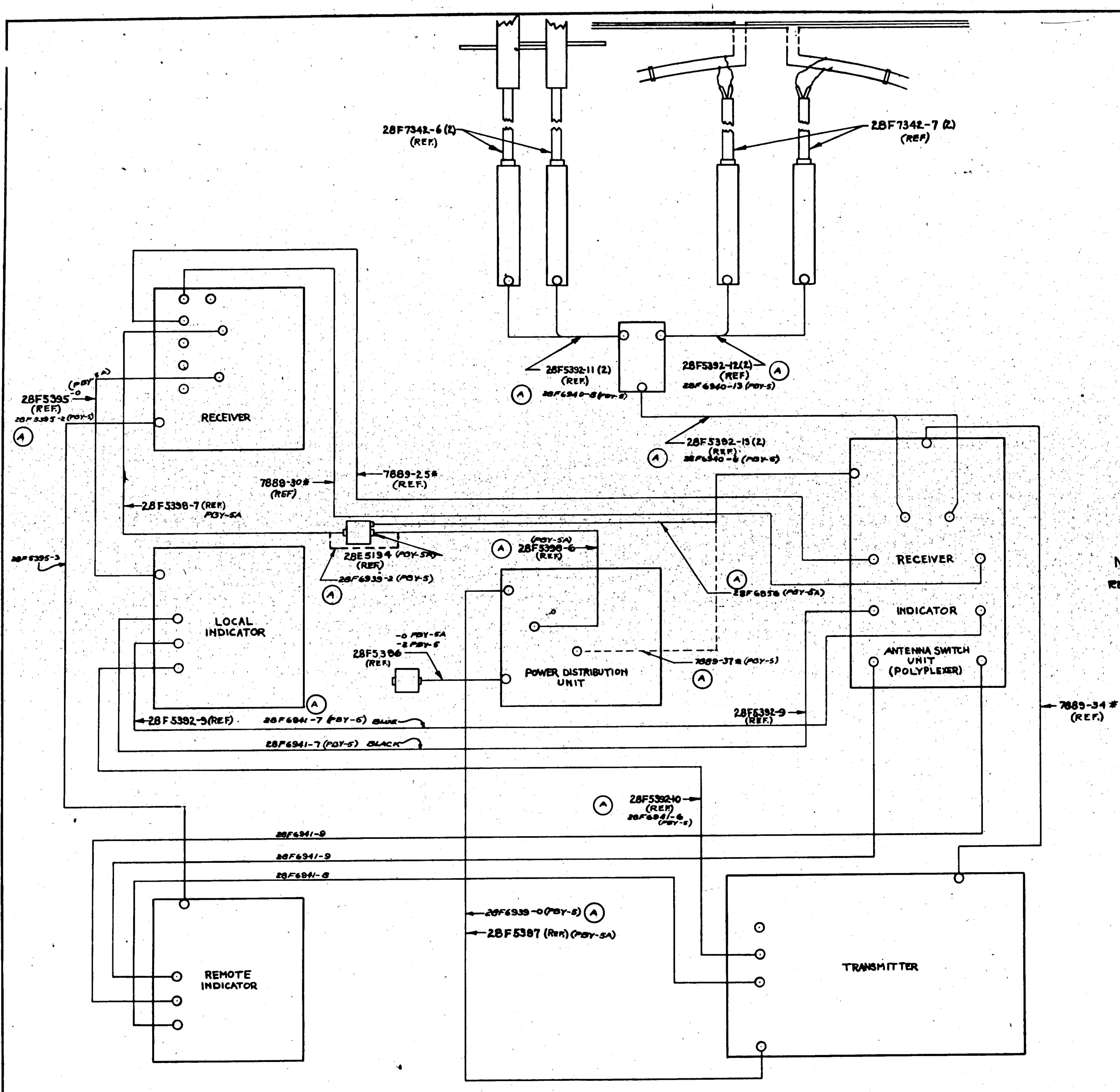
NAME MTG BRACKET-FURNS-NAVIGATOR'S COMPA

DWG SIZE G 28F6807

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	CABLE REPLACEMENTS:		
	28F5392-9 & -10 REPLACED BY		
	28F6941-7 & -6 RESPECTIVELY		
	& 28 5392-11 & -12 REPLACED BY		
	28F6940-8, & -13.		
	REMOVED 28E5194 FOR PBY-5	9-13-42	[illegible]
	NEXT ASSY WAS 28F 5496		
	NEXT ASSY NOW 28F6952	[illegible]	[illegible]



NOTE:- INFORMATION LACKING ON REMOTE INDICATOR & CABLES.

*DENOTES GOV'T. FURN. EQUIP.

ASSY DASH No	MODEL	NEXT ASSY	REQ.
88476 (53 & ON)	PBY-5A	28F5496	1
91876 (1 & ON)	PBY-5	28F6952	1

REQUIREMENTS PER AIRPLANE

REPLACES | CALC. WT

REPLACED BY | ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± — | SCALE —

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.

PARTS LIST PER ASSY.

A C		6-28-42	W. G. GARCIA	GERBER	J.K.R.	GRAVES	J.H.S.
NAVY —	—	BULK-MAN	V.E.W.			8-6-42	WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME: RADAR CABLE DIAGRAM-COLINEAR.

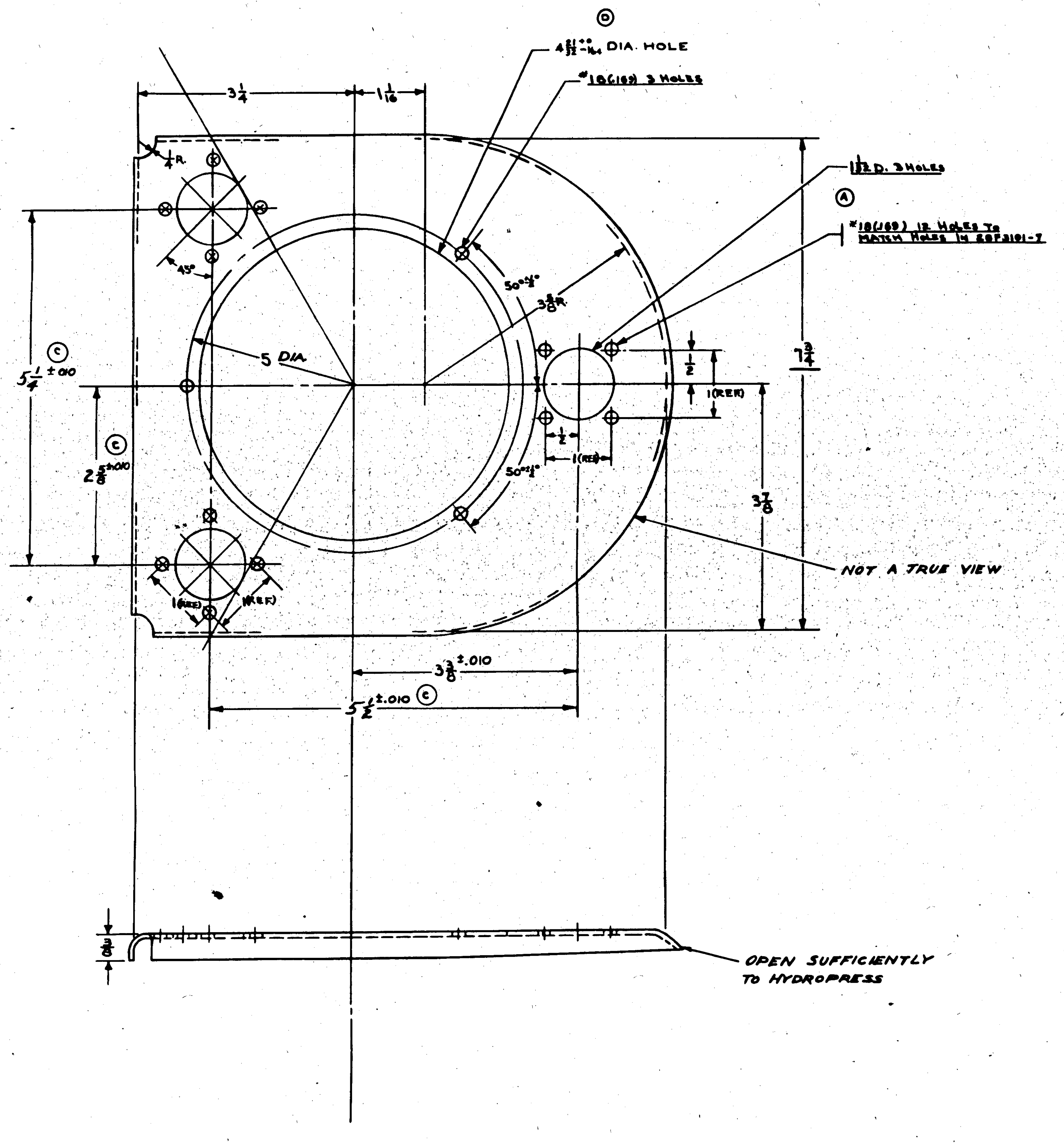
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

DWG. SIZE G 28F6810

R

LET	ALTERATION	DATE	BY
A	IN NOTE #18(169) WAS #24(152).		
	WT. CHG. NEG.	10-16-42	
B	ADDED REQ. FOR B-24D & E	12-10-42	
C	ADDED ±.010 TOLERANCE ON DIM'S		
	LOCATING BR. MT. CUTOUTS	12-16-42	
D	4 21/32 DIA HOLE WAS		
	4 5/8 DIA HOLE SPEC-QQ-A362-T		
	WAS 47AB-T	6-14-43	



ALL BEND RADII 1/8 UNLESS OTHERWISE SPECIFIED

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE
GP	GREEN PRIME

M.C.R. #96AN
#53 ON-C88476
#91 ON-C91876

MODEL	NEXT ASSY	NO.
B-24E	32F7210	1
B-24D	32F7210	1
PBY-5A	28F5420	1
PBY-5	28F5420	1

REQUIREMENTS PER AIRPLANE

REPLACES — .45 CALC. WT.

REPLACED BY — ACT. WT.

± NOTED & 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.064×6 7/8×8 1/2	ALCLAD	QQ-A362-T

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5

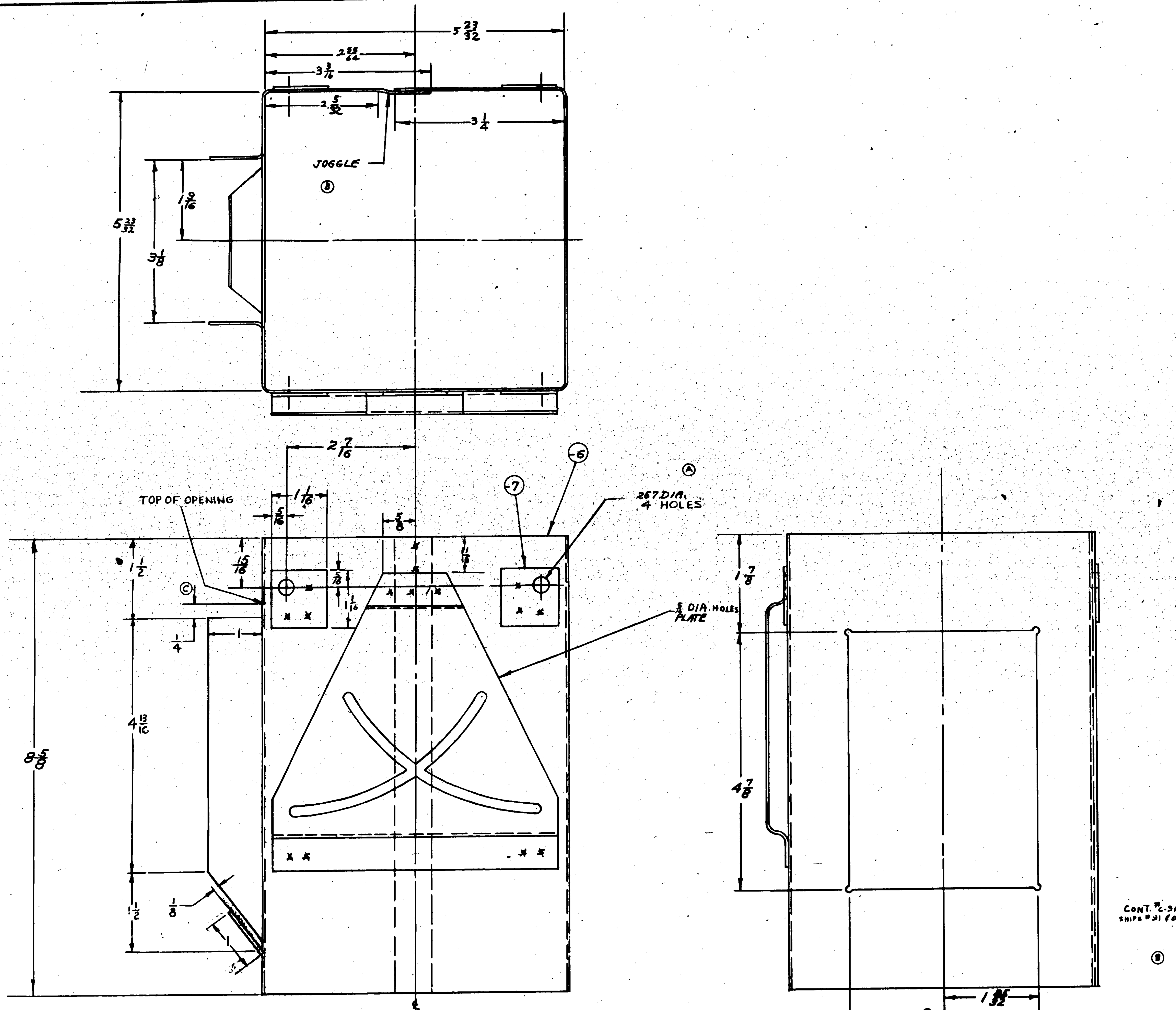
A C		7-4-42	OTTERMAN	CERBER	RUSSELL	7-24-42	ZUCK
NAVY —	Z-P-GP	PERIVOLARIS	7-16-42			ARMSTRONG	WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME M'T'G BRKT.-FURN'S-REMOTE INDIC. COMPASS TRANSMIT.

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

DWG SIZE G — 28F6811

R 28F6811



✱ SPOTWELDING SYMBOL
THIS SYMBOL INDICATES SPOTWELDING
RIVETS ARE NOT INDICATED ON THIS
DRAWING BY SYMBOLS.

LET	ALTERATION	DATE	BY
A	ON FACE OF DWG CHGD NOTE "5/16 DIA HOLES...." TO "DRILL #F.... HOLES"	10-2-42	[illegible]
B	IN DIM CHGD -6 FROM .051 TO .032 & ON FACE OF DWG CHGD NOTE ".051 JOGGLE" TO "JOGGLE"	10-2-42	[illegible]
C	ON FACE OF DWG 1 1/2 DIM. WAS 1 1/4, 4 13/16 DIM. WAS 5 1/4, 1 1/2 DIM. WAS 1 3/4, ADDED 1/8 DIM., 1/4 DIM. & NOTE "TOP OF OPENING."	10-2-42	[illegible]

CONT. #C-31876
SHIPS #31 & ON

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5	28F6815	1

REQUIREMENTS PER AIRPLANE

REPLACES —
1.08# CALC. WT.
REPLACED BY
ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
28F6818				1
-7	.064 X 1 1/4 X 1 1/4	ALCLAD	47AB-T	4
-6	.032 X 8 3/4 X 24	ALCLAD	47AB-T	1

PARTS LIST PER ASSY.

AC		6-17-42 TRISSELL			8-14	ZACK
NAVY	Z-P-GP	BOLTZ	7-20-42 GERBER	MRW		VICKOR
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV

NAME STACK - FURNS -
"Y" HOT AIR DUCT ASSEMBLY

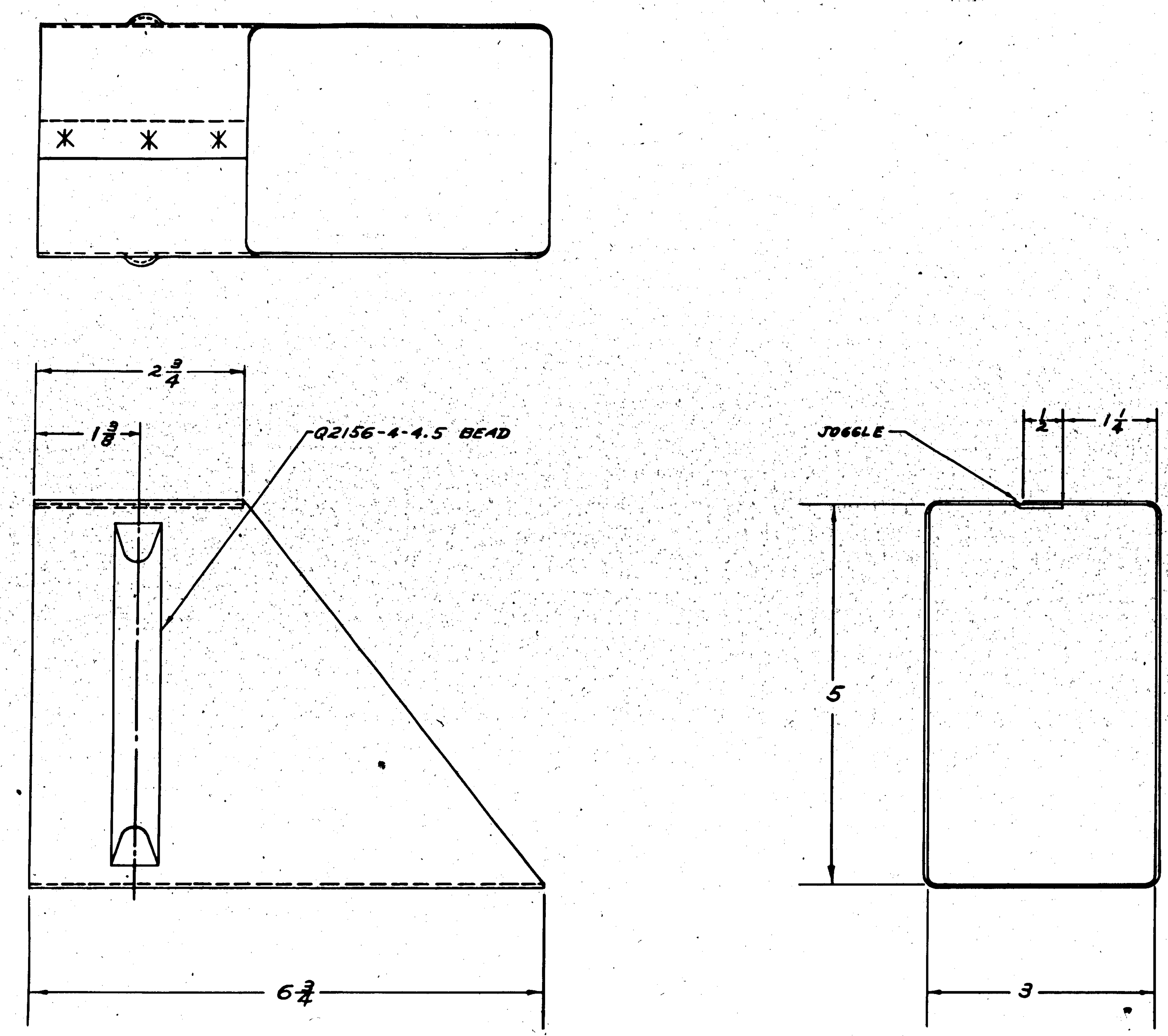
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

OPP. HAND

DWG. SIZE G 28F6816

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	IN B/M GAUGE .032 WAS .051 WT. .14 WAS .2	[illegible]	[illegible]



NOTE:
ALL BEND RADII 1/8

CONTRACT # 31876 SHIP # 91 & ON

ASSY DASH No	MODEL	NEXT ASSY	REQ.
	PBY-5	28F6815	1

REQUIREMENTS PER AIRPLANE

REPLACED — .14 CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.032 X 6 1/2 X 17	ALCLAD	24ST (4 ?)AB-T

PARTS LIST PER ASSY. — -0 -2 -3 -4 -5

A C		TRUSSELL	HALLMAN			8-14-42	ZUCK
NAVY ———	Z - P - GP	7-23-42	7-24-42	GERBER	M.R.W.	ARMSTRONG	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	[illegible]

NAME DUCT-AFT-FURN.-"Y" HOT AIR DUCT ASSEMBLY

OPP. HAND ———

DWG. SIZE G — 28F6817

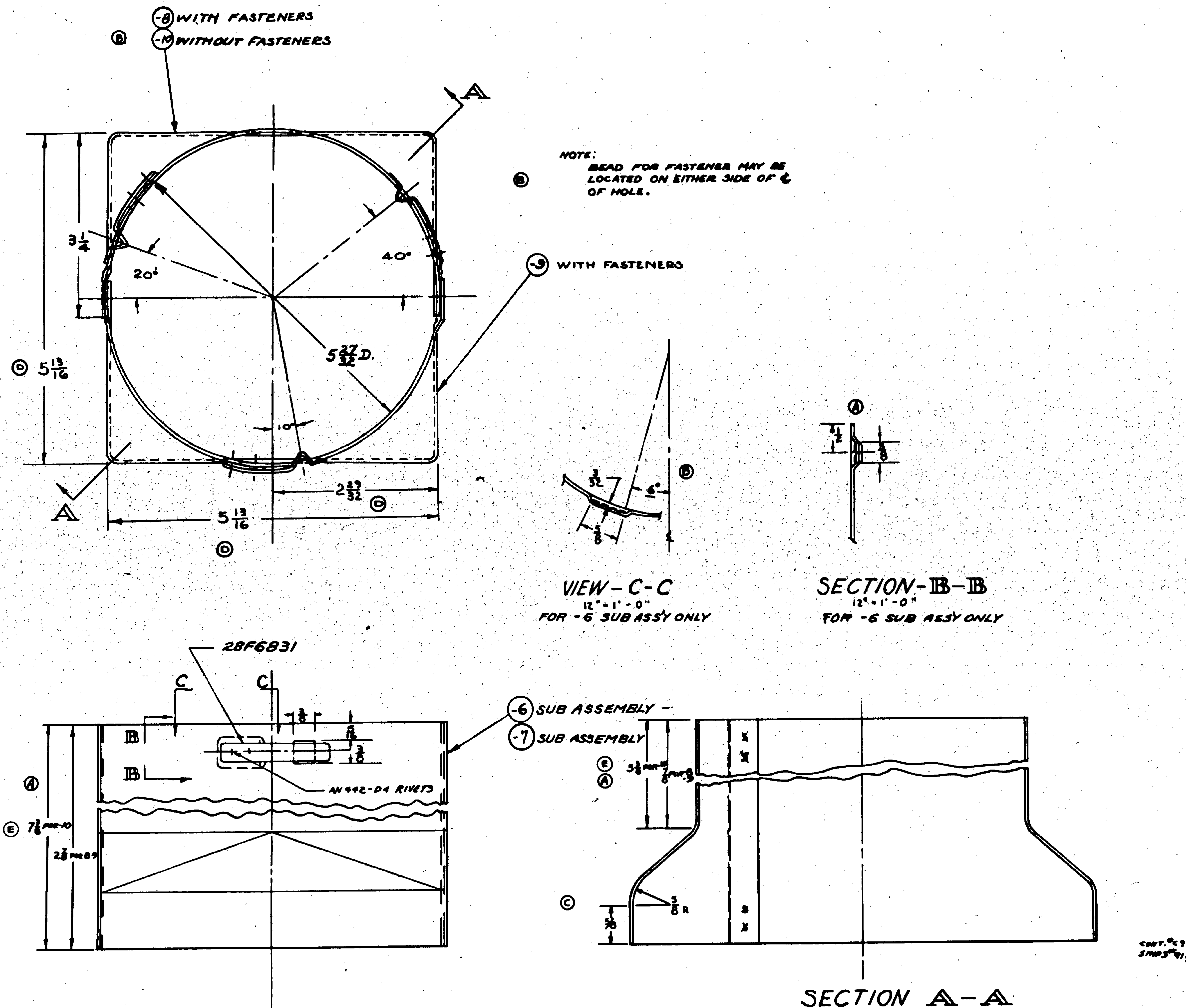
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

✳ SPOTWELDING SYMBOL
THIS SYMBOL INDICATES SPOTWELDING RIVETS ARE NOT INDICATED ON THIS DRAWING BY SYMBOLS.

LET	ALTERATION	DATE	BY
[illegible]	GURDLE .032 WAS .051. WT. CHG. 2° WAS 5°	[illegible]	[illegible]
E	7 ½ FOR -10 WAS 7 ½ ; 5 ½ FOR -[illegible] WAS 5 ½. WT. CHG. NEG.	[illegible]	[illegible]

LET	ALTERATION	DATE	BY
A	IN SECT. B-B ½ WAS 9/16 IN SECT. A-A 7/8 WAS 1 5/8 & 2 7/8 WAS 3 7/8 FOR -8 & -9 & ADDED 3 ½ & 7 ½ FOR -10 (NEG WT. CHG)	[illegible]	[illegible]
B	IN VIEW C-C 16° WAS 74° CHG'D NOTES: FOR -8 & -9 "WITH FASTENERS" WAS "WITH BEADS & FASTENERS" & FOR -10 "WITHOUT FASTENERS" WAS "WITHOUT BEADS & FASTENERS" CHG'D BEND RADII NOTE: "ALL-SEC. B-B & VIEW C-C" WAS "ALL--SECT. B-B" VIEW A-A: ADD NOTE: "BEAD-- HOLE". (NO WT. CH'G)	11-2-42	JUNCK
C	IN SECT. A-A REM. 1" DIM & ADD 5/8 R & 5/8 DIM. (NO WT. CH'G)	11-12-42	JUNCK
D	5 13/16 (PLACES) WAS 5 7/8 & 2 23/32 WAS 2 13/16. RELOCATED FASTENERS 20° WAS 38° & 10° WAS [illegible] -10, -5 & -8 MAT.		



★ SPOTWELDING SYMBOL
THIS SYMBOL INDICATES SPOTWELDING RIVETS ARE NOT INDICATED ON THIS DRAWING BY SYMBOLS.

ALL BEND RADII 3/16 EXCEPT VIEW C-C & SECTION B-B

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
-7	PBY-5	28F6816	1
-6	PBY-5	28F6816	1

CONT. No. C 91876 [illegible]

REQUIREMENTS PER AIRPLANE

REPLACES — .3 ## CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-10	.032 x 4 ½ x 14	ALCLAD 24ST	
-7 SUB ASSY			
AN442-D4			
28F6831			
-9	.032 x 4 ½ x 14	ALCLAD 24ST	
-8	.032 x 4 ½ x 14	ALCLAD 24ST	
-6 SUB ASSEM.			

PARTS LIST FOR ASSY.

REQ. -0 -2 -3 -4 -5

A C —
NAVY —
HEAT TREAT
FINISH Z-P-6P

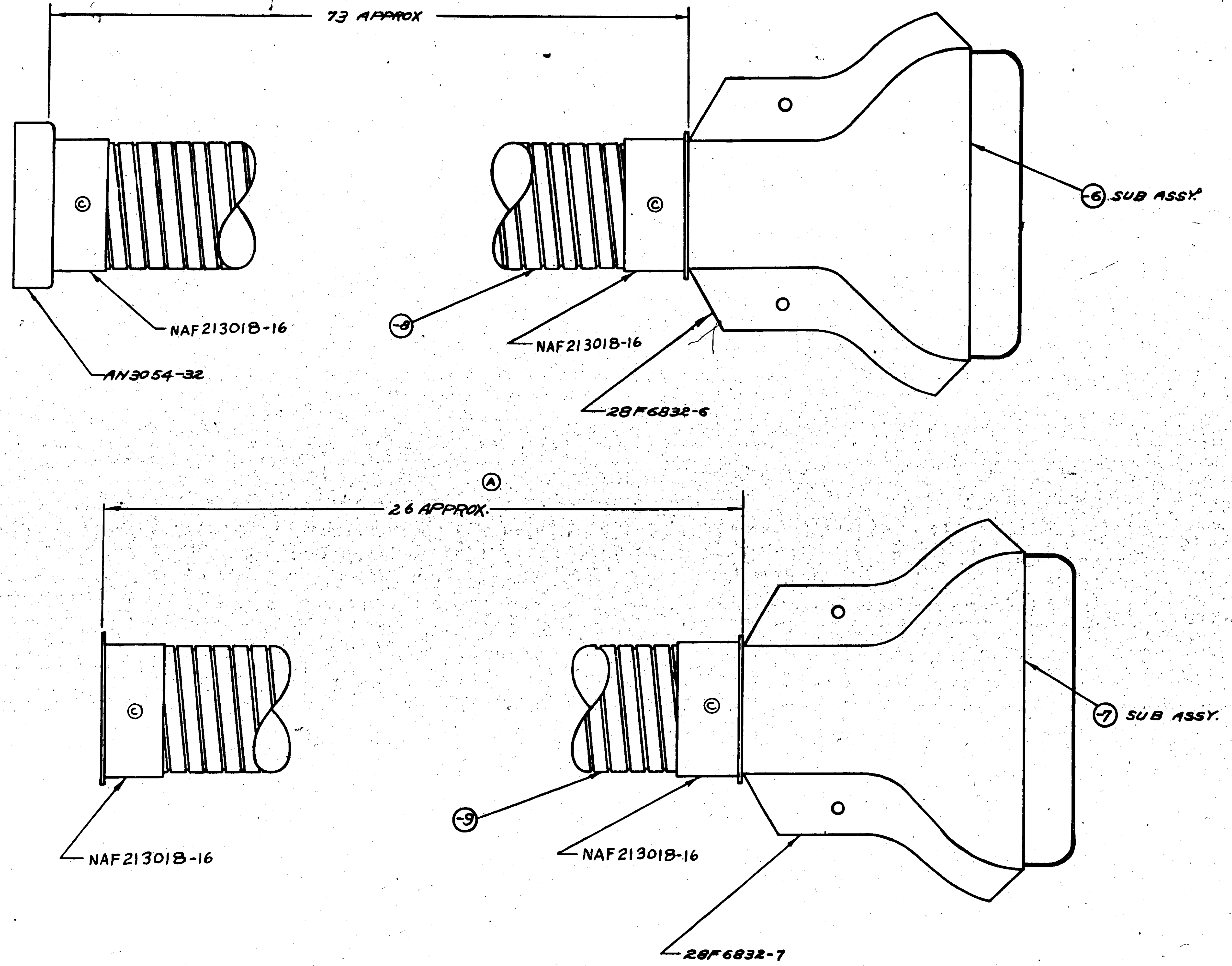
DRAFT / CHECK / STRUCT / MAT / APPROV.

NAME SLEEVE - STACK - FURNS - "Y" HOT AIR DUCT ASSEMBLY

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6823

R 28F6823



	LET	ALTERATION	DATE	BY
E.O. A74725	A	ON FIG -9 SIZE 26 WAS 50 & IN B/M TU21-20X26 WAS TU21-20X50 (AUTO WT. CHG.)	[illegible]	[illegible]
E.O. A92324	B	ADDED AN425D3(8), NAF213018-16 WAS AN3050-32. NO WT CHG.	12-30-4[illegible]	[illegible]
	C	REM'D AN425D3(8) 2 PLACES. WT. CHG. NEG.	[illegible]-43	[illegible]

	ASSY DASH NO	MODEL	NEXT ASSY	REQ.
M.C.R 221	-7	PBY-5A	28F6843	
M.C.R 221	-6	PBY-5A	28F7832	
M.C.R. 84	-7	PBY-5	28F6843	1
M.C.R. 84	-6	PBY-5	28F6837	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE: 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ
NAF213018-16				2
28F6832-7				1
-9	TU21-20X26			1
-7	SUB ASSEM.			
AN3054-32				1
NAF213018-16				2
28F6832-6				1
-8	TU21-20X73			1
-6	SUBASSEM.			

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5 (LH / RH)

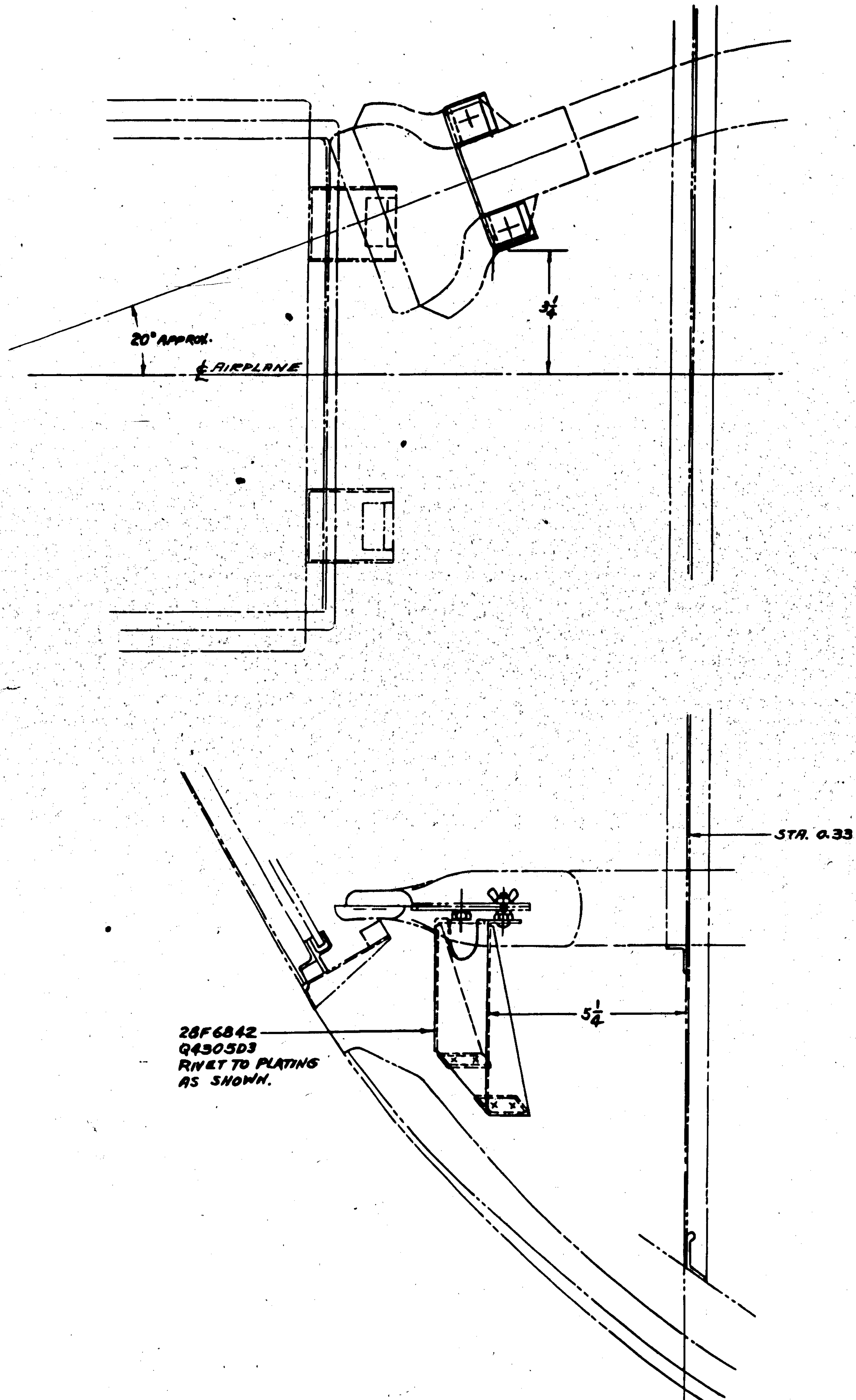
A C						
NAVY NONE	Z-P GP	[illegible]	GERBER	MRW	ARMSTRONG	McVICKER
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV

NAME: DEFROSTER TUBES-FURN. WINDSHIELD & BOMBER'S WINDOW

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

OPP. HAND —

DWG SIZE G — 28F6833



ASSY DASH No	MODEL	NEXT ASSY	REQ
0	PBY-5	28F6837	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	REQ -0
Q4305D3				–
28F6842				1

PARTS LIST PER ASSY.

REPLACES — CALC WT .2 lb
REPLACED BY — ACT WT
SCALE 6" = 1'-0"
1/32
STAMP PART NUMBER WHERE SHOWN

A C
NAVY —
HEAT TREAT
FINISH —
DRAFT 7/20/42 CHECK 7/20/42 STRUCT MAT APPROV
OPP. HAND —

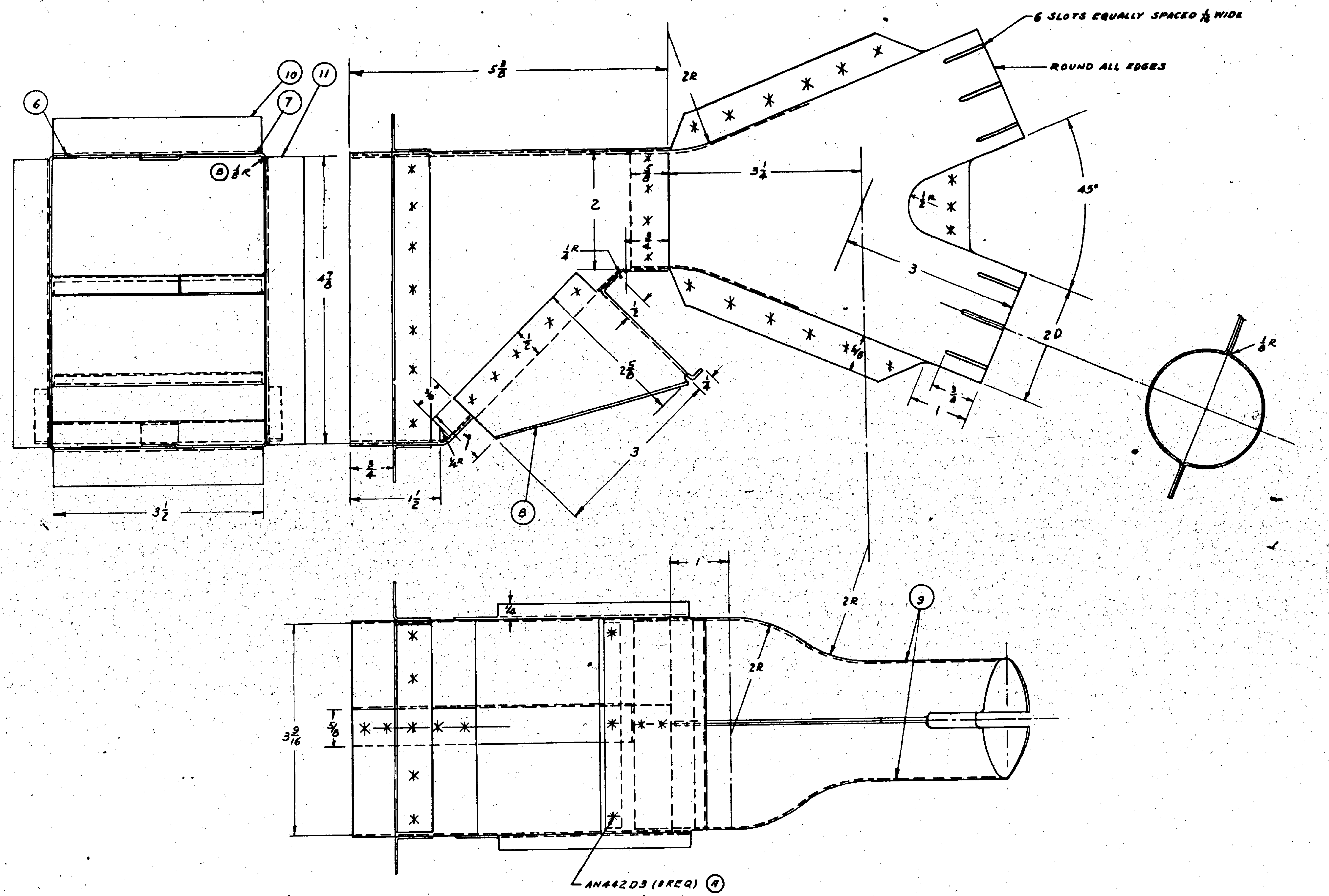
NAME INSTALL. – FURNS BOMBERS WINDOW DEFROSTER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G 28F6840

R 8/22/42

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A.	ADDED AN442D3 RIVETS (2) WAS SPOTWELD	7/24/42	[illegible]
				B.	ADDED 1/8 RADIUS	7/24/42	[illegible]



✱ SPOTWELDING SYMBOL
THIS SYMBOL INDICATES SPOTWELDING RIVETS ARE NOT INDICATED ON THIS DRAWING BY SYMBOLS.

C.81876 #81 (OR

ASSY DASH NO	MODEL	NEXT ASSY	REQ
0	PBY-5	28F6815	1

REQUIREMENTS PER AIRPLANE

REPLACES — .25 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0
AN442-D3				
-11	Y2-A17-T×4 1/8			2
-10	Y2-A17-T×3 3/4			2
-9	8×9 1/2×.032	ALCLAD	47A8-T	2
-8	9 1/4×3×.032	ALCLAD	47A8-T	1
-7	9 1/2×5 1/2×.032	ALCLAD	47A8-T	1
-6	9 1/2×5 1/2×.032	ALCLAD	47A8-T	1

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY —	Z-P-GP	HALLMAN 7/24/42	RUSSELL 7/28/42	GERBER	M.R.W.	8-17 ARMSTRONG	ZUCK MAYERS
HEAT TREAT	FINISH						

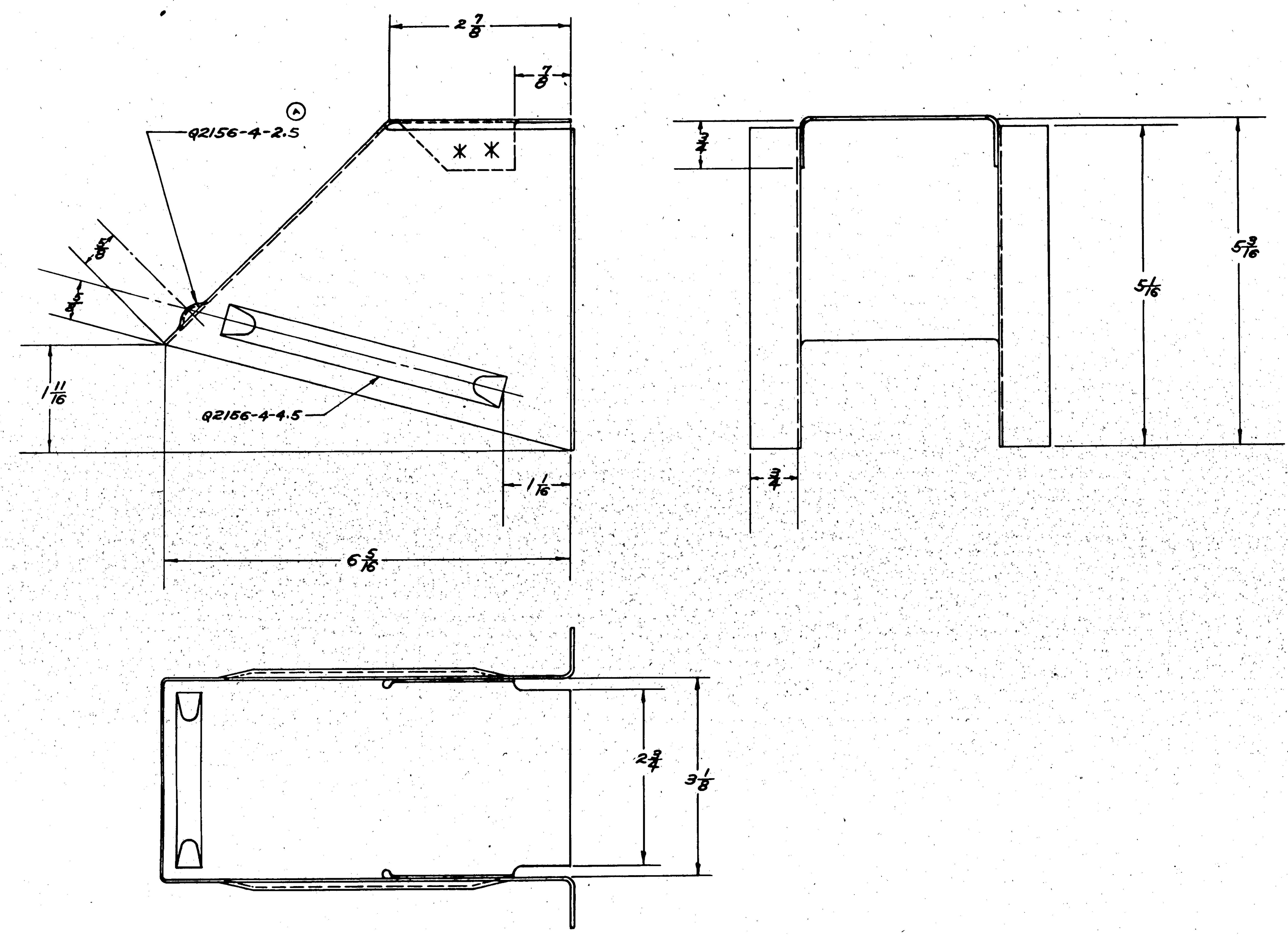
NAME "Y" CONN. & DEFLECTOR-FURNS. DEFROSTER-SGL. HEATER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP HAND — DWG SIZE G — 28F6841

R 8 24 42

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	Q2156-4-2.5 WAS Q2156-4-2.75 NO WT. CHG.	11-2-42	



C-21876 4-21 4-ON

PBY-5	28F6837	1	
ASSY DASH NO.	MODEL	NEXT ASSY	NO.

REQUIREMENTS PER AIRPLANE

REPLACES	.3# CALC. WT
REPLACED BY	ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32	SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.032X6 7/8X13 1/2	ALCLAD	24ST-T					

PARTS LIST PER ASSY.

✱ SPOTWELDING SYMBOL

THIS SYMBOL INDICATES SPOTWELDING RIVETS ARE NOT INDICATED ON THIS DRAWING BY SYMBOLS.

A C		TROXELL	WILLIAMS				MC TACKER
NAVY	Z-P-GP	7-24-42	7-24-42	GERBER	MRW	JOHN-STRONG	8-13
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME DEFLECTOR-FURN.-LIVING COMPARTMENT-CENTRAL HEATING SYS.

OPP. HAND

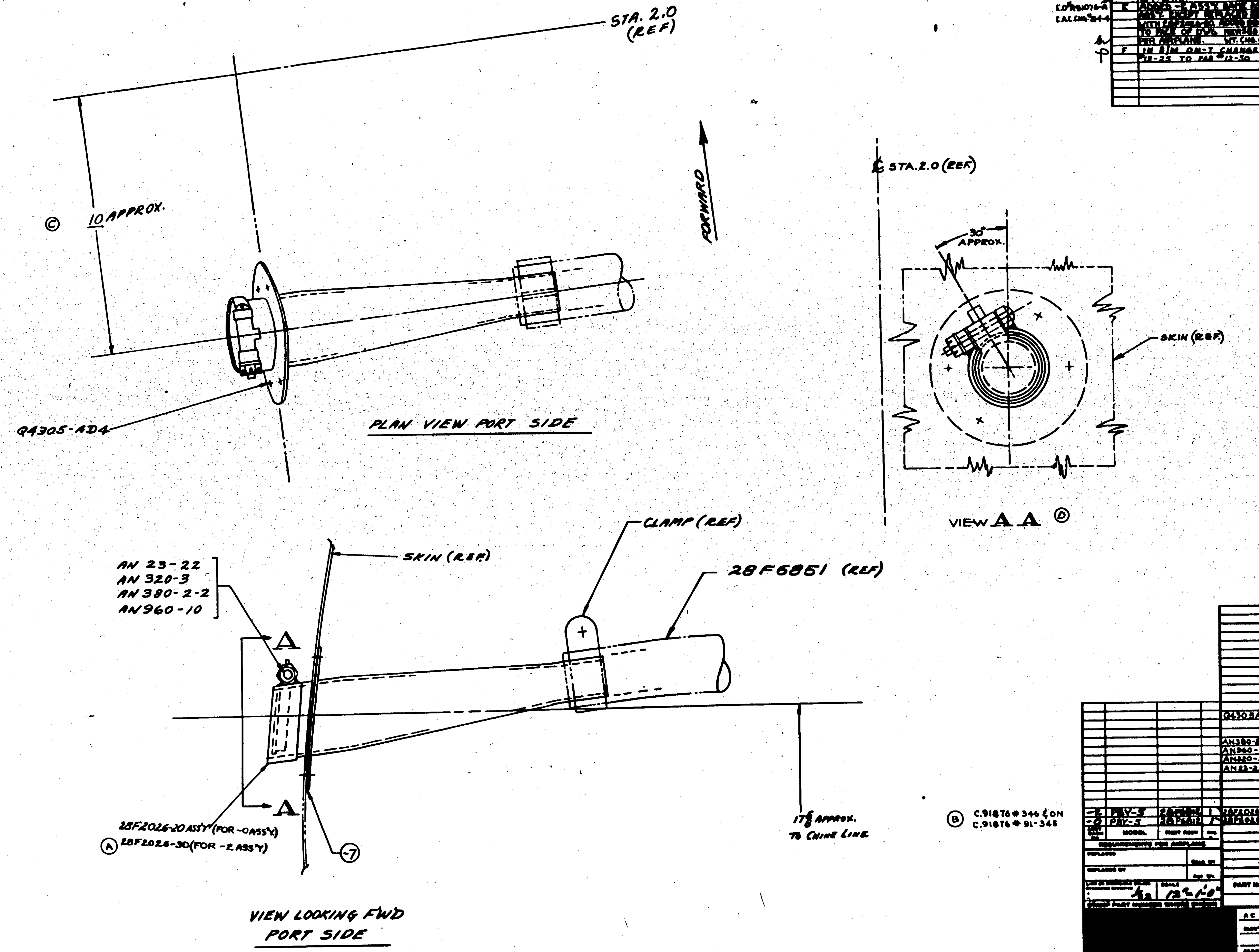
DWG SIZE G — 28F6847

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

KCD 8-22-42

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	REMOVED -6, 28F2026-10, -12 & -14 ASSY'S FROM FACE & B/M & REPLACED WITH 28F2026-20 ASSY	7-12-42	[illegible]				
B	ADDED "C.91876 ON" TO CONTR. DATA, REV'T. PER AIRPLANE BLOCK	9-17-42	[illegible]				
C	IN "PLAN VIEW PORT SIDE" 10 APR. WAS 6 APR. NO WT. CHG.	[illegible]	[illegible]				
D	ADDED VIEW "A-A" & ROTATED 28F2026-20 OUTLET 30°. NO WT. CHG.	11-12-42	[illegible]				
E	ADDED -2 ASSY SAME AS -0 ASSY EXCEPT REPLACED [illegible] WITH 28F2026-30. ADDED [illegible] TO FACE OF DWG. REVISED REQ'D PER AIRPLANE. WT. CHG. NEG.	[illegible]	[illegible]				
F	IN B/M OM-7 CHANGE FAB #12-25 TO FAB #12-50	4-29-[illegible]	[illegible]				

E.O. A6181 · E.O. A6200 · E.O. R51076-A · C.A.L. CHG. #24-4



Ⓑ C.91876 # 344 & ON
C.91876 # 91-343

PART No	STOCK	MATERIAL	SPEC.	-0	-2	-3	-4	-5
Q4305AD4								
AN380-2-2				1	1			
AN960-10				1	1			
AN320-3				1	1			
AN23-22				1	1			
28F2026-30					1			
28F2026-20				1				
-7	1/16 x 2 1/8 x 2 1/8	[illegible]	[illegible]	1	1			

PARTS LIST FOR ASSY.

DASH No.	MODEL	NEXT ASSY	REQ.
-2	PBY-5	28F[illegible]	1
-0	PBY-5	28F6812	1

REQUIREMENTS FOR AIRPLANE

REPLACES

REPLACED BY

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT

NONE — FINISH

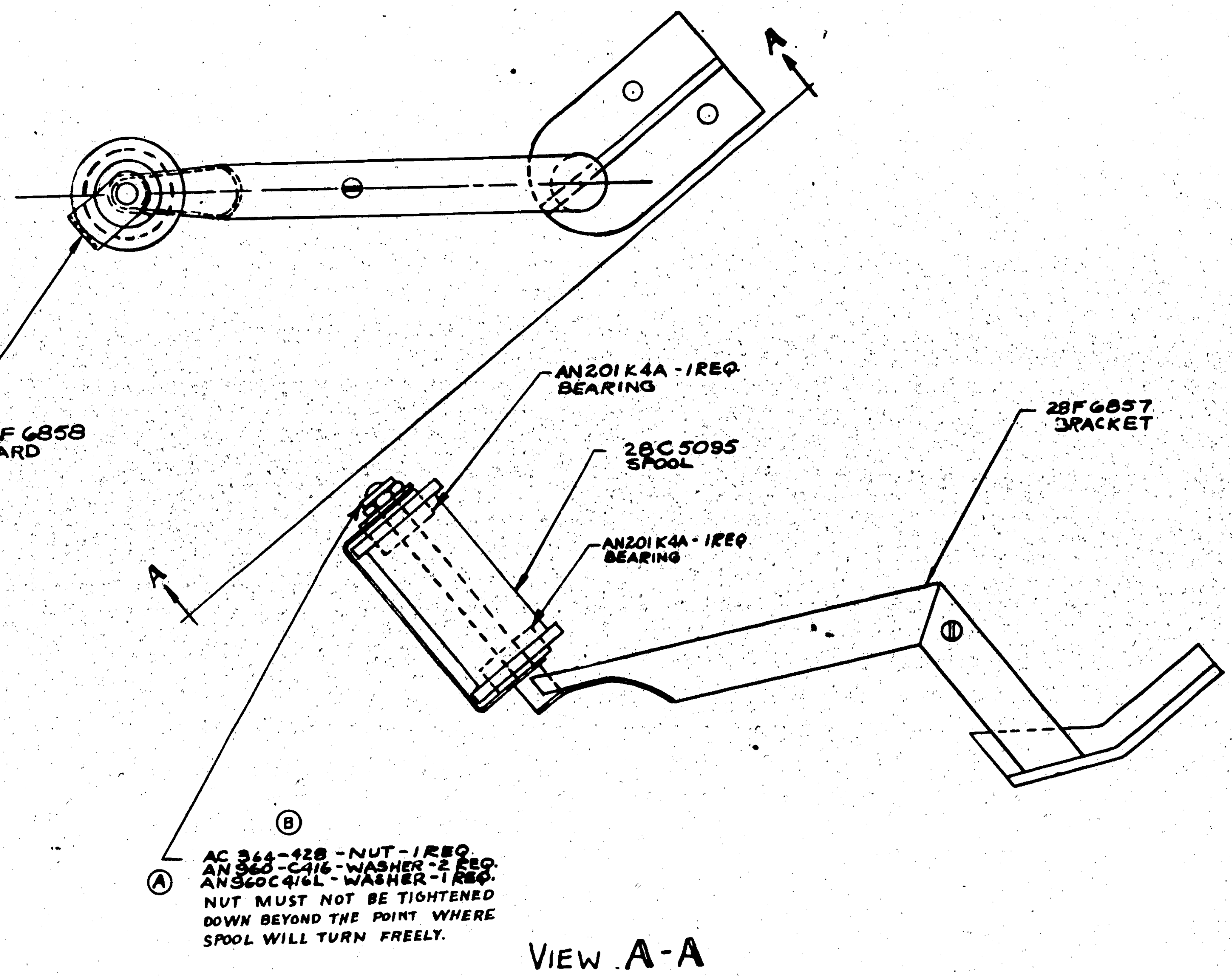
NAME ASSY. & INSTALL. - FURN. EXHAUST HEATING SYST.

DWG. SIZE G — 28F6850

CONSOLIDATED AIRCRAFT CORP. — SAN DIEGO, CALIF.

R 28F6850

LET	ALTERATION	DATE	BY
A	NUT, AC364-D428 WAS AC372-428. ADDED NOTE "NUT MUST -- FREELY." WT. CHG NEG.	2-3-43	
B	AC364-428 WAS AC364-D428 WT. CHANGE	9-5-43	



VIEW A-A

C#13595
C#91876 SHIPS #31 & ON

ASS'Y DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28C5004	1
	PBY-5	28C5086	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. .75

REPLACED BY — ACT. WT.

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
AN201K4A				2				
AN960C416L				1				
AN960C416				2				
AC364-428				1				
28F6858								
28F6857								
28C5095								

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY		LINN 9-5-43					
HEAT TREAT	FINISH						

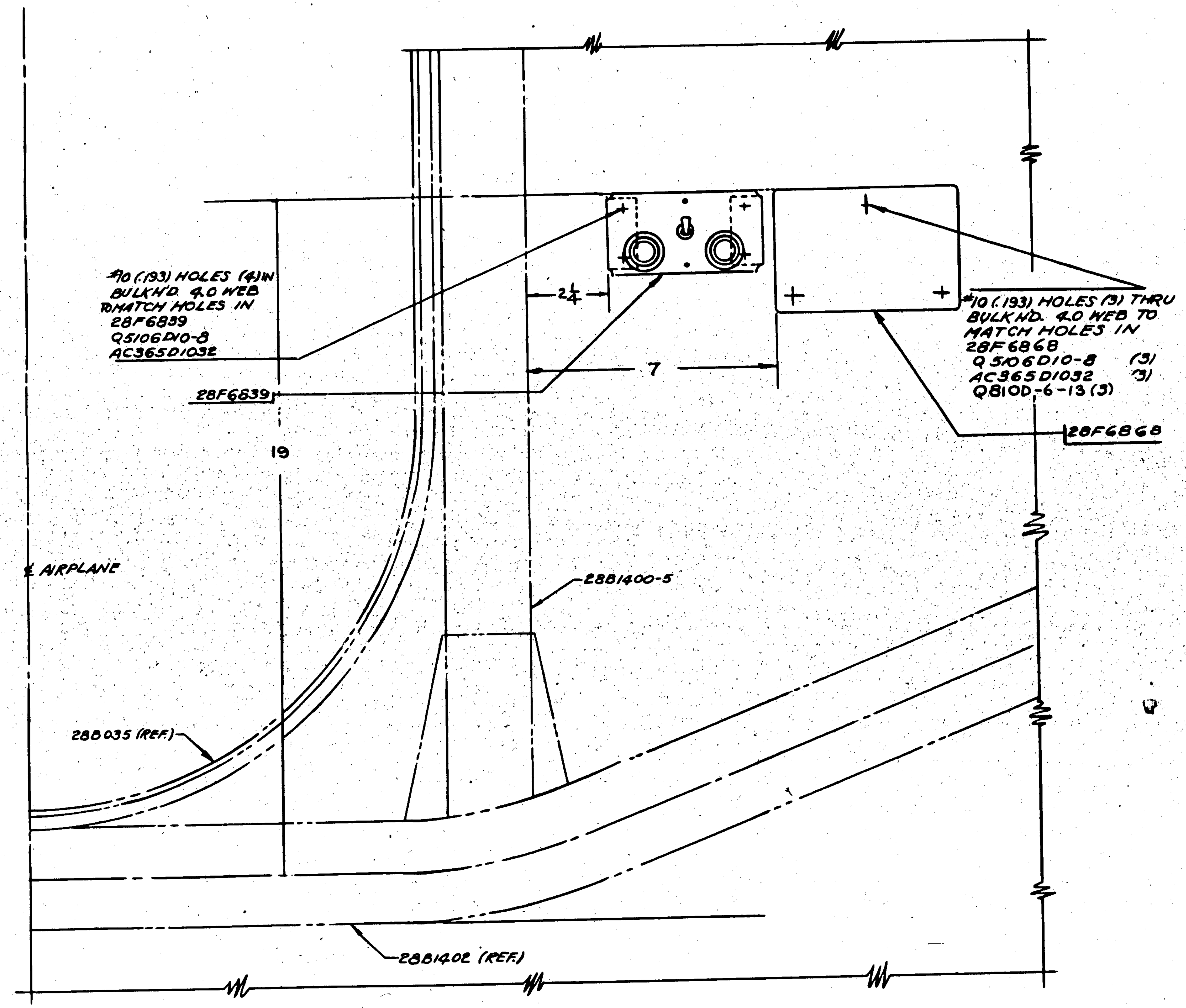
OPP. HAND

NAME ASS'Y BRACKET MK15 BOMB SIGHT ADAPTER

DWG SIZE G 28F6859

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F6859



VIEW LOOKING FWD. AT BLK'D 40

OUTB'D. →

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-0	PBY5A	28F6002	1
-0	PBY5	28F1002	1

88476 → (-0 PBY5A)
91876 → (-0 PBY5)

REQUIREMENTS PER AIRPLANE

REPLACES — .787 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ 2	REQ -3	REQ -4	RFC -5
Q810D-6-16				9				
AC365D1032				7				
Q5106D10-8				7				
28F6868				1				
28F6839				1				

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY —	—	KRAUSE	SIMS 8-13 KEW	GERBER	REGLER	GROVER 8/31/42	WOLD 8/29
HEAT TREAT	FINISH						

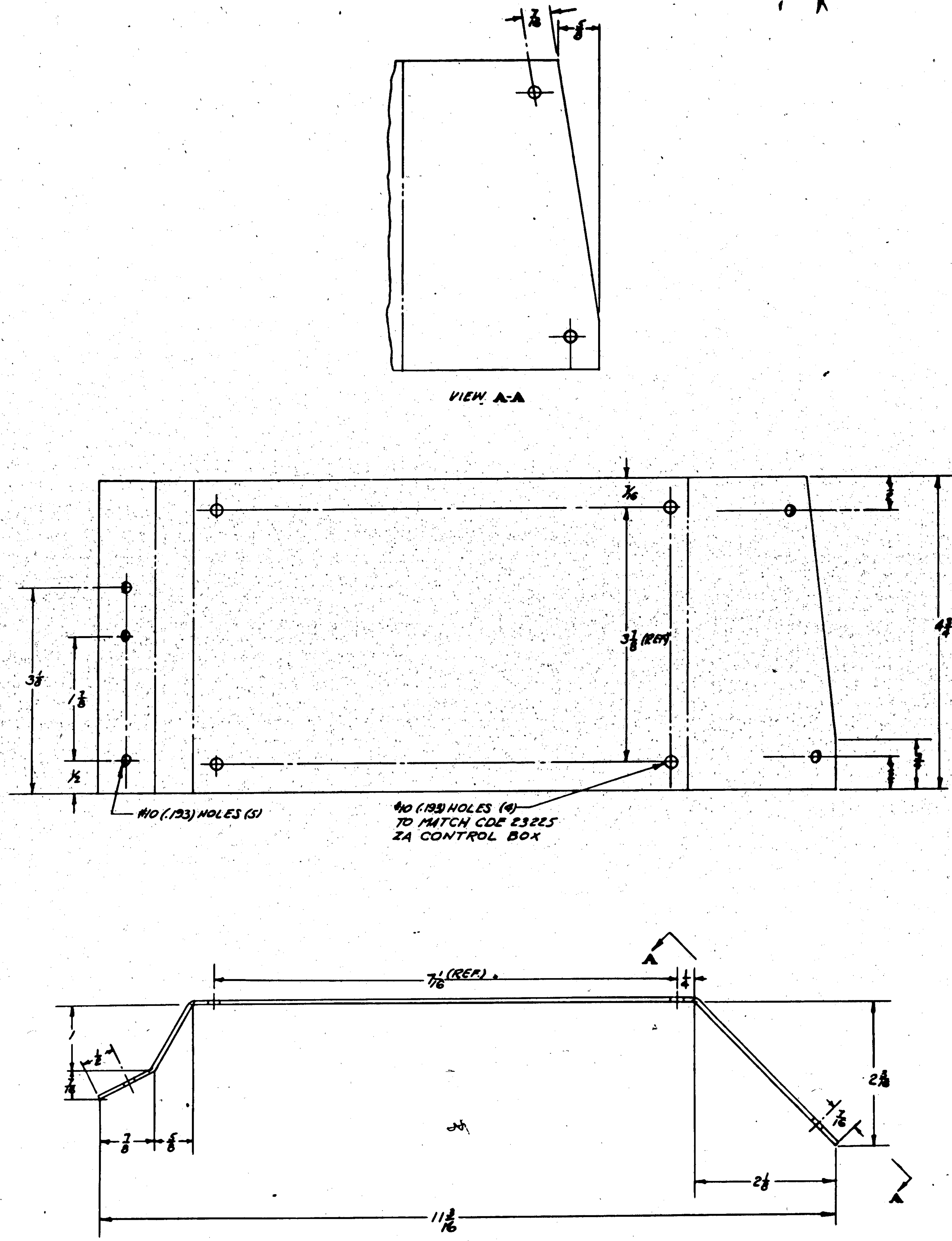
NAME INST. FURNS INDICATOR MOUNTING & JUNCTION BOX

CONSOLIDATED AIRCRAFT CORP. — SAN DIEGO, CALIF.

OPP HAND

DWG SIZE G — 28F6860

R 9/2/42



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACT 91876 91⊄ON→
CONTRACT 88476 53⊄ON→

ASSY DASH NO	MODEL	NEXT ASSY	NO
	PBY-5	28F6212	1
	PBY5-A	28F6212	1

REQUIREMENTS PER AIRPLANE

REPLACES — .42 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	4 7/16 x 13 3/16 x .064	ALC 24ST	47AB-T	1				

PARTS LIST PER ASSY

A C						
NAVY NONE	Z-P-GP	8-6-42	8-7-42 V.E.W.		8-19	V.C.H.
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV / ENG

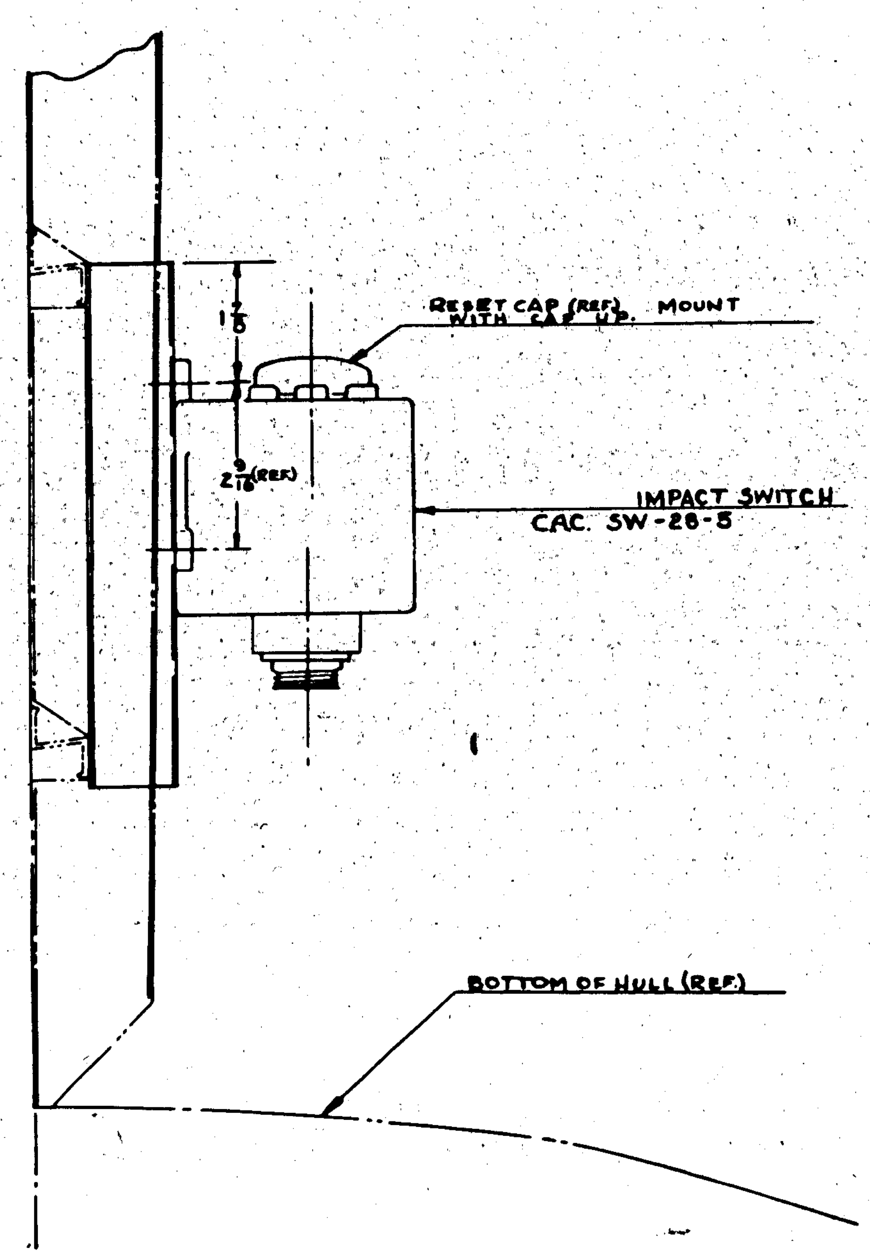
NAME BRACKET - FURNS - PILOTS ZA CONTROL BOX

OPP HAND NONE

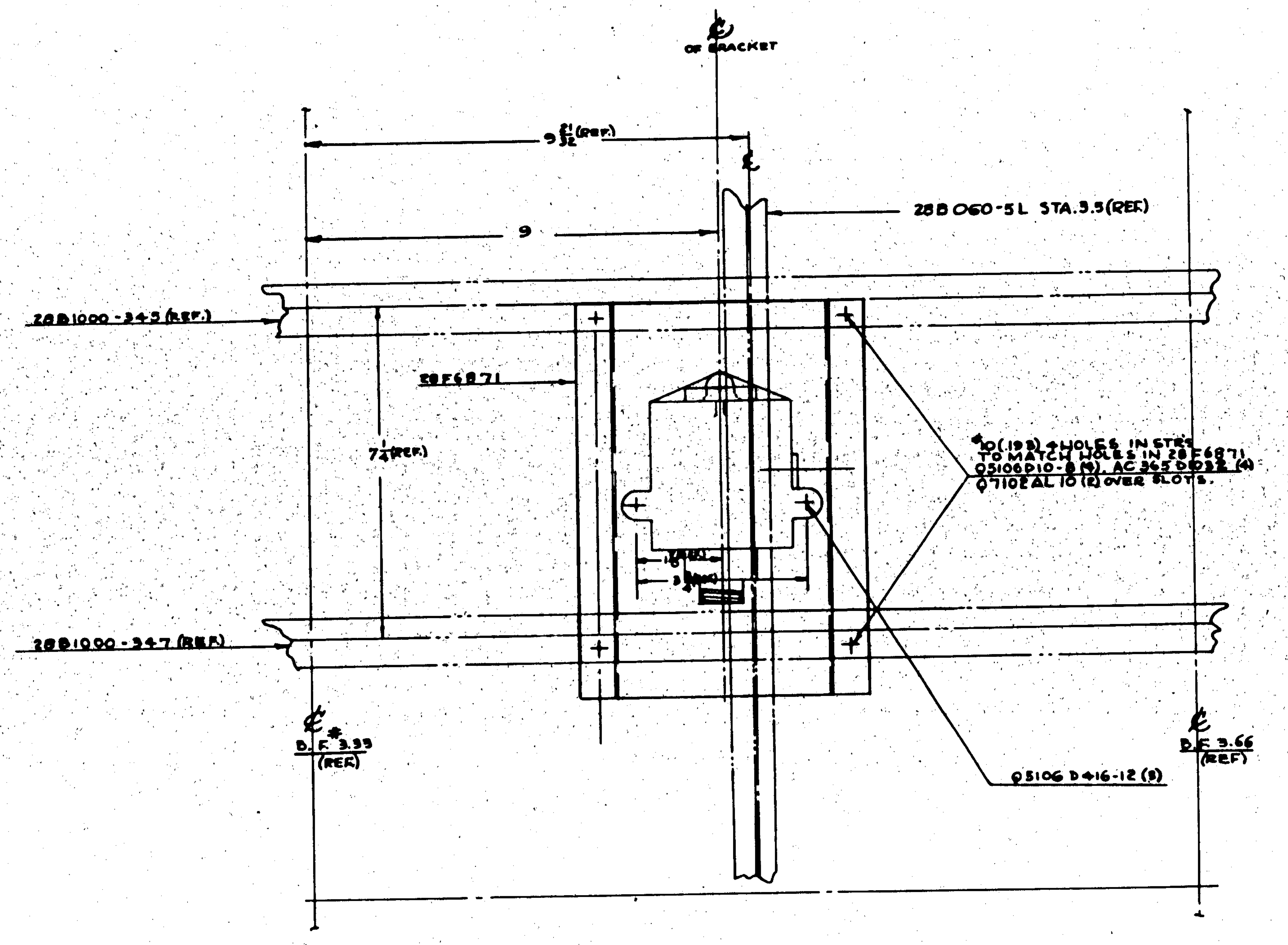
DWG SIZE G — 28F6861

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

R 8/13/42



VIEW LOOKING AFT



VIEW LOOKING OUTBOARD
STARBOARD SIDE
FWD

NOTE:- IMPACT SWITCH (SW-28-5)
MAY BE PURCHASED FROM WALTER
KIDDE #65189 OR FEDERAL MFG. & ENG. CO.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

CONT. 91876 (91 & ON)
CONT. 88476 (53 & ON)

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5	28F1002	1
	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.83 CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
CAC SW-28-5 IMPACT SWITCH				1				
AC365D1032				4				
Q7102AL10				2				
Q5106D416-12				8				
Q5106D10-8				4				
28F6871				1				

PARTS LIST PER ASSY.

A C		8-12-42	W.GARLAN YETT	GERBER		GROVER	J.C.H
NAVY		Moody	S.I.M.		CUSTER	8-20-42	WOLD 8/29
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

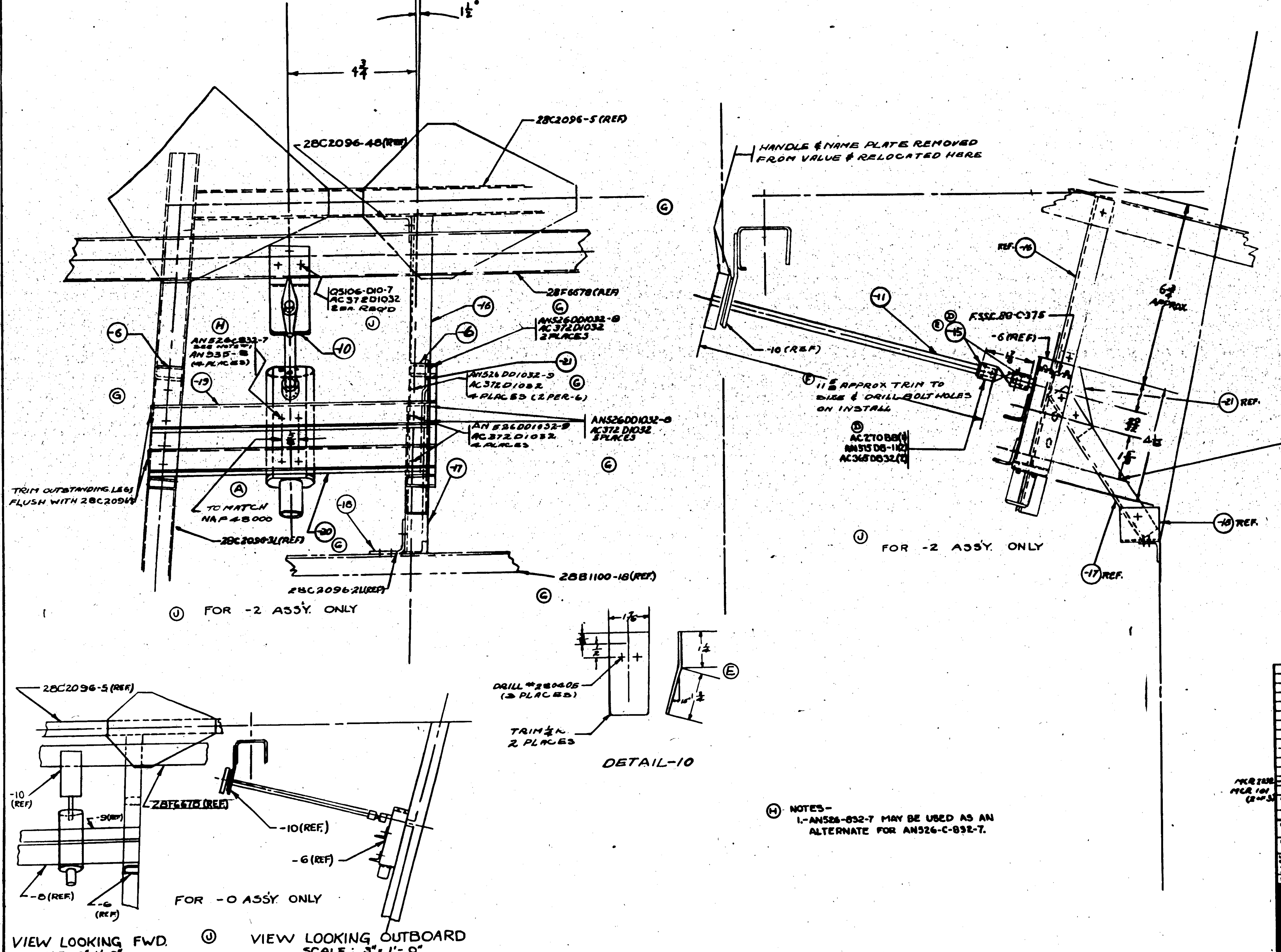
OPP HAND NONE

NAME INSTALL.-FURNS-
IMPACT SWITCH & BRACKET

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG SIZE G — 28F6863

R



LET	ALTERATION	DATE	BY
d	Q5106-D10-7(2EA.) WAS AN 315D6-7(2EA.) & AC372D1032 (2EA.) WAS AC372D832(2EA.). ON FACE REVERSED -16, -17-18 & 28C2096-48 REF FOR -2 ASSY. ADDED VIEW FOR -0 ASSY. (NO WT. CHG.)		
A	ADDED DIM ⅝ TO DIMS 5/8 & 1¼. ADDED NOTE TO NAF48000 NO WT. CHG.		
B	CHGD MAT. OF -6 FROM Y10A67X4¼ TO Y10A67T X4¼. NO WT. CHG.		
C	SPEC. OF -7 CHG'D FROM 44T31 TO 44T28. NO WT. CHG.		
D	ADDED -13 AC270B8 AN315D8-11 & AC365D832. REMOVED -7 & ATTACHING PARTS. WT. CHG. NEG.		
E	-16 WAS -13. DIM "1¼" WAS "1½" & 1¼ WAS 1½. WT. CHG. NEG.		
F	DIM 11⅝ WAS 12¼. WT. CHG. NEG.		
G	CREATED -2 ASSY. ADDED 28C2096-48(REF) & 28B1100-18 (REF) WT. CHG. NEG.		
H	IN Ⓗ M & ON FACE AT AN526-C832-7 ADDED SEE NOTE 1 ON FACE OF DWG. ADDED NOTE 1. NO WT. CHG.		

Ⓗ NOTES-

1.-AN526-832-7 MAY BE USED AS AN ALTERNATE FOR AN526-C-832-7.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2
AN526DD1032-8					7
AC372D1032				2	2
AN526DD1032-9				8	8
AC372D1032				10	17
AN526C832-7 (SEE NOTE 1)				4	4
AN935-8				4	4
AN3-7A				2	2
AN960C10				2	2
Q5106-D10-7				2	2
AC270B8		SAE 1020 (1025 STEEL)	AN-QQ-S-646 FINISH "C"	1	1
AN315D8-11				2	2
AC365D832				2	2
F.S.S.C. 88-C-375	GOV. FURNISHED			1	1
-21	.051X2X12½	ALC. 24ST			1
-18	Y2A55TX⅝				1
-17	Y2A26TX6¼				1
-16	Y2A26TX10⅝				1
-20	Y6A22TX9½				1
-19	Y6A22TX9¾				1
-15	⅜OD X.035 X ½	AL. AL TUBE	44T28-T	2	2
-11	⅜ DIA X 12¼ ROD	AL. ALLOY	46A9 COND. T	1	1
-10	.051X1⅜X3½	ALCLAD	47A8-T	1	1
-9	Y6A22TX10¼			1	
-8	Y6A22TX10⅜			1	
-6	Y10A67TX4¼			2	2

PARTS LIST PER ASSY.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-2	PBY-5A	28F6710	1
0	PBY-5	28F6713	1

MCR 2032, MCR 101 (2 of 3)

REQUIREMENTS PER AIRPLANE

REPLACES — 283 Calc. Wt.

REPLACED BY — Act. Wt.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

AC — NAVY NONE — HEAT TREAT — Z-P-GP — FINISH

STECK 8/20/42 — DRAFT; 9/12/42 — CHECK; STRUCT; MAT

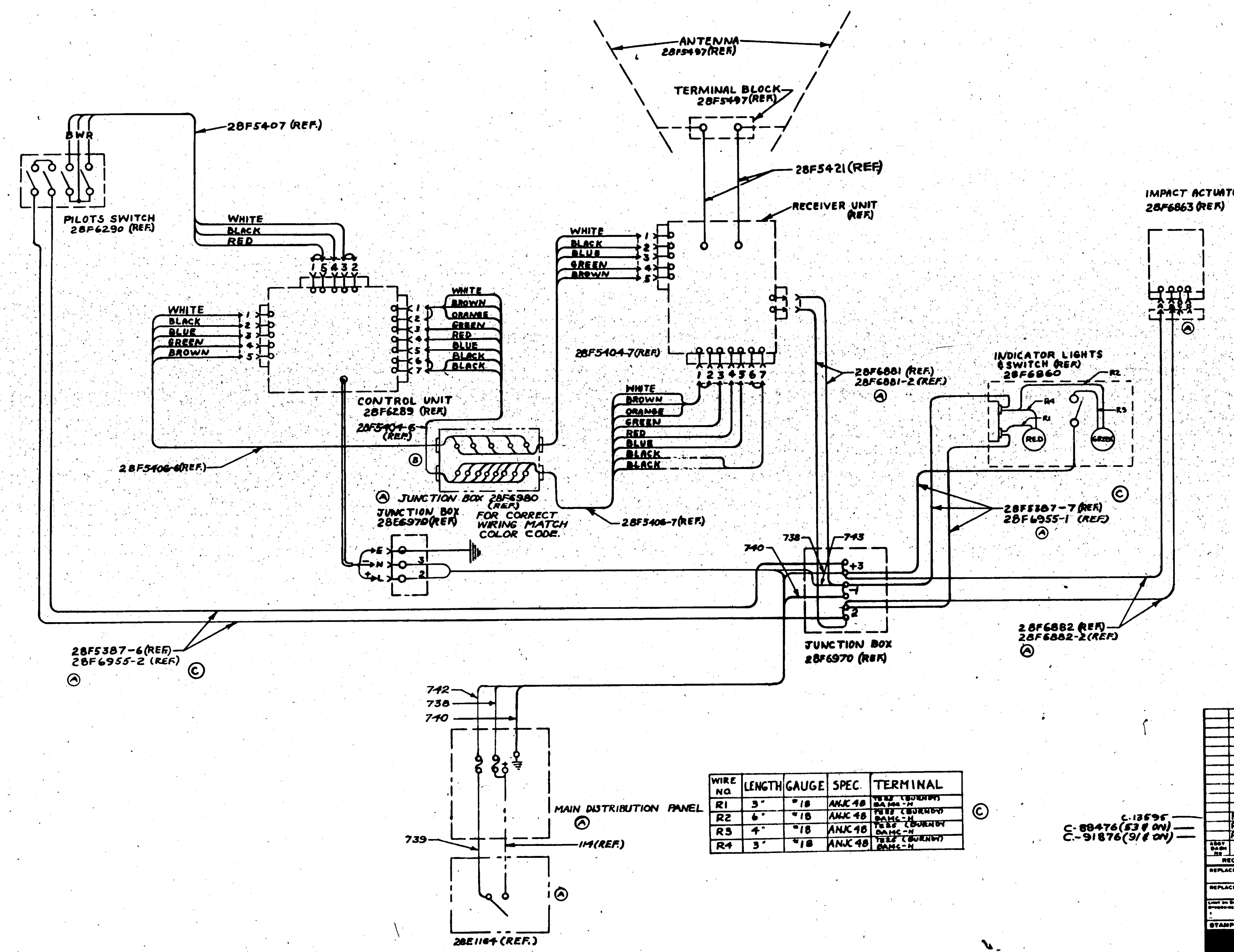
NAME INSTALL'N-RUDDER CONTROL TRANSFER VALVE SPERRY SYSTEM

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG SIZE G — 28F6874

HAZAF 12

LET	ALTERATION	DATE	BY
A	CHGD. MAIN DISTRIB. PAN. REM. 28F5387-8(REF.) & 28F5387-9(REF.) IMR SW. WIRING A&B WAS A&C. JCT. BOX 28E6970(REF.) WAS 28E-5186. ADDED 1M(REF) & 28E-1164(REF.) ADDED & REROUTED WIRES #738, 739, 740, 741, 742, 743. ADDED 28F5387-10(REF.), 28F5387-11(REF.), 28F6881-2 (REF) & 28F6882-2(REF.) NO WT. CHG.		
B	ADDED JCT. BOX 28F6980 (REF). 28F5406-6 & 28F-5406-7 WERE 28F5406. 28F5404-6 & 285404-7 WERE 285404. NO WT. CHG.		
C	CHG'D. WIRING OF INDICATOR LIGHTS & SWITCH IN DWG.— 28F6995-1 WAS 28F5387-11 & 28F6995-2 WAS 28F5387-10 ADDED NOTE BLOCK (WT. CHG. + .03#)	1-2-43	



WIRE NO.	LENGTH	GAUGE	SPEC.	TERMINAL
R1	3"	#18	ANJC48	TE26 (BURNDY) DAMC-H
R2	6"	#18	ANJC48	TE26 (BURNDY) DAMC-H
R3	4"	#18	ANJC48	TE26 (BURNDY) DAMC-H
R4	3"	#18	ANJC48	TE26 (BURNDY) DAMC-H

C.13595
C-88476(53 & ON)
C-91876(91 & ON)

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5A	28U5099	1
	PBY-5A	28F5387	1
	PBY-5	28F5387	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC
-6	"NOTED"		

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5

A C		MITCHELL	GARCIA VEM	GERBER		GROVER	J.C.H.
NAVY NONE	NONE	8-18-42			CUSTER	9-1-42	WOLD
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

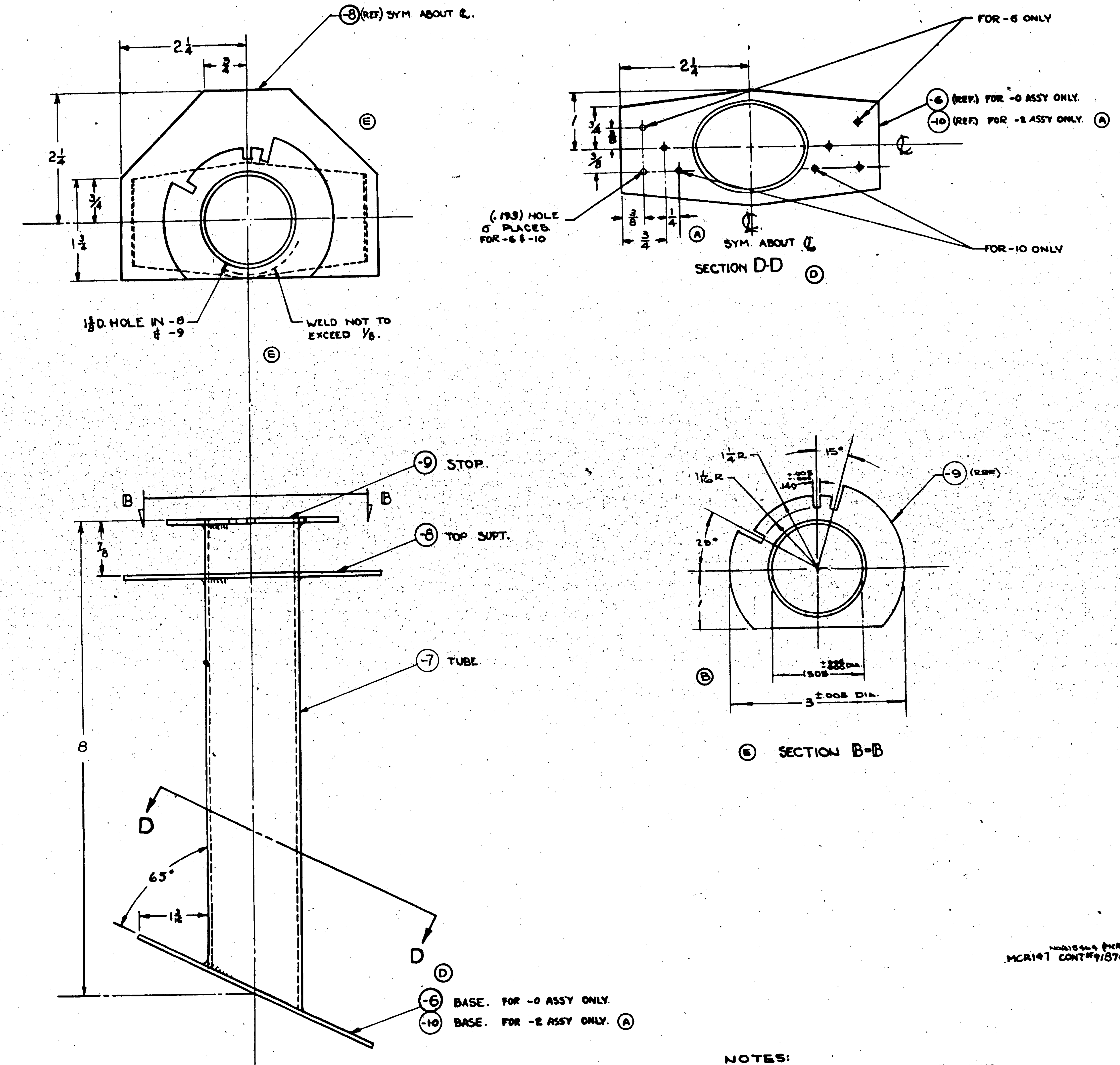
OPP. HAND NONE

NAME WIRING DIAGRAM – FURNS – ABD EQUIPMENT

DWG SIZE G — 28F6887

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



NOTES:
PARTS TO BE WELDED INTO POSITION AS SHOWN

LET	ALTERATION	DATE	BY
A	CREATED -2 ASSY. NO WT. CHG.	[illegible]	[illegible]
B	1.505 WAS 1.500 SEC B-B NO WT. CHG.	3-1-43	[illegible]
C	CHANGED LOCATION OF HOLES FOR -6 & -10 NO WT. CHG.	[illegible]	[illegible]
D	SEC D-D REPLACES SEC A-A DIM. [illegible] WAS [illegible] REMOVED SEC C-C. NO WT. CHG.	[illegible]	[illegible]
E	IN SECTION B-B REVOLVED VIEW 180° & ADDED DIM. 1 & CUTOFF, REVISED PLAN VIEW OF -9 TO AGREE. WT. CHG. NEG.	[illegible]	ZIKIAN

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-2	PBY-5A	28F6093	1
-0	PBY-5	28F6093	1

REQUIREMENTS FOR AIRPLANE

MCR147 CONT #91876 (MCR148-2)

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
-10	.050 x 2 1/2 x 4 1/2	C.M. ST.	AN-QQ-S-685		1			
-9	.078 x 3 1/2 x 3 1/2	C.M. ST.	AN-QQ-S-685	1	1			
-8	.050 x 3 1/2 x 4 1/2	C.M. ST.	AN-QQ-S-685	1	1			
-7	1 1/2 O.D. x .065 x 8 1/2	C.M. ST. TUBE	AN-WW-T-850	1	1			
-6	.050 x 2 1/2 x 4 1/2	C.M. ST.	AN-QQ-S-685	1				

PARTS LIST PER ASSY.

REPLACES — 1.06 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1' 0"

STAMP PART NUMBER WHERE SHOWN

HEAT TREAT: A C NORMALIZE NAVY [illegible] — FINISH: C-P

DRAFT: VANDEWATER 9/8/42 — CHECK 9/7/42 — STRUCT — MAT — APPROV — ENG

OPP. HAND NONE

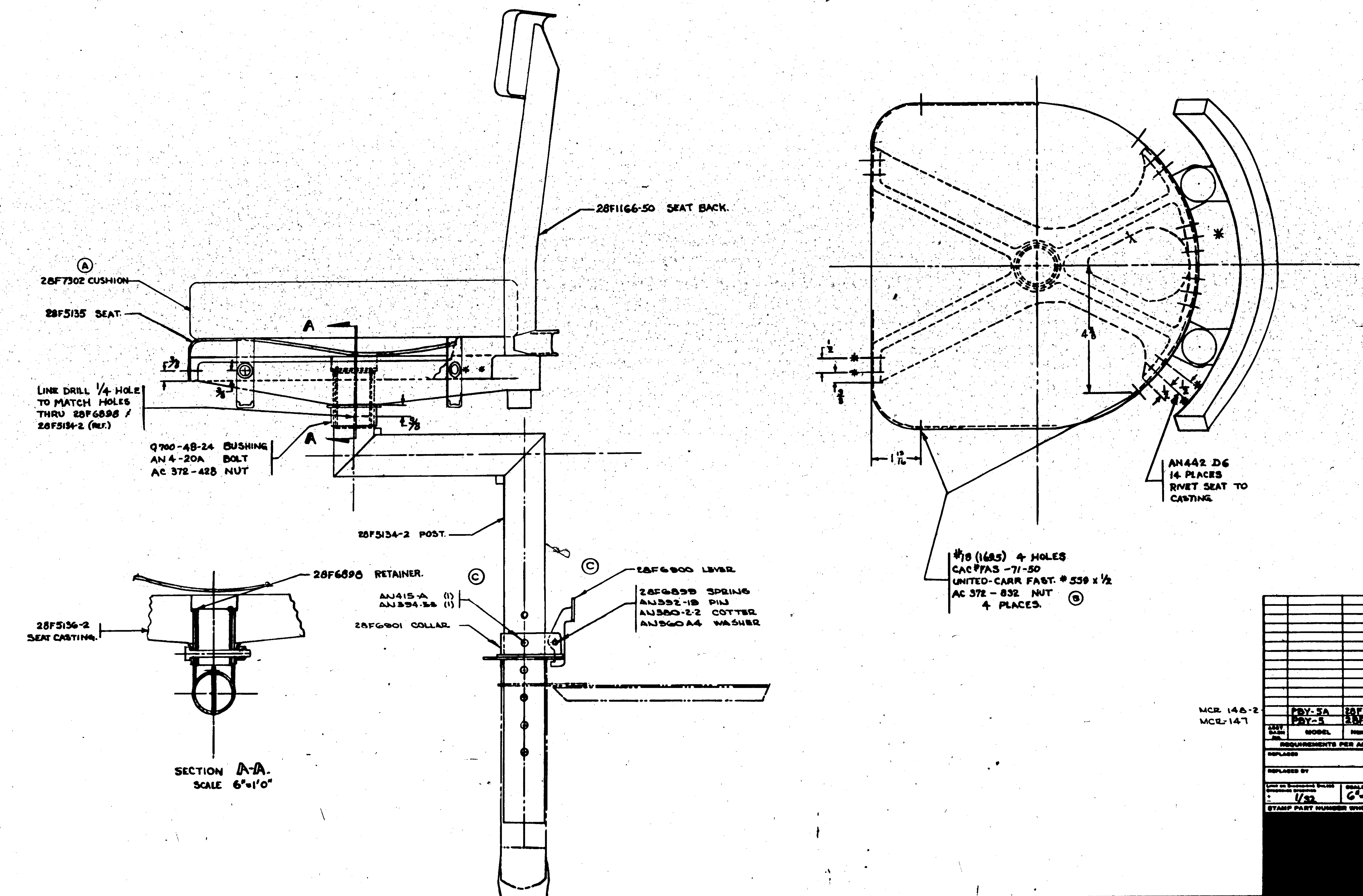
NAME SUPPORT - FURN - RADAR OPERATOR'S SEAT. POST.

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

DWG. SIZE G — 28F6888

R 8889-182

LET	ALTERATION	DATE	BY
A	ADDED 28F7302 CUSHION (1) REQ.		
	WT. 6.41# WAS 5.26#.	[illegible]	[illegible]
B	AC372-832 (4 REQ) WAS AC372-		
	DD32 (4 REQ) WT. CHG. NEG.	[illegible]	[illegible]
C	ON FACE OF DWG. REVERSED		
	POSITION OF 28F6900 LEVER		
	FROM FWD. TO AFT SIDE OF		
	RADAR SEAT POST.		
	NO WT. CHG.	[illegible]	[illegible]



MCR 148-2
MCR-147

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6893	1
	PBY-5	28F6893	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 6.41#

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
AN442-D6				
CAC#FAS-71-50				4
AC372-832				4
AN415-A				1
AN394-53				1
AN960-A4				1
AN380-2-2				1
AN392-19				1
AN4-20A				1
AC372-428				1
Q700-48-24				1
28F7302	CUSHION			1
28F6898	RETAINER			1
28F6901	COLLAR			1
28F6900	LEVER			1
28F6899	SPRING			1
28F5134-2	SEAT POST			1
28F5136-2	SEAT CASTING			1
28F5135	SEAT TOP			1
28F1166-50	SEAT BACK			1

PARTS LIST PER ASSY. (-0, -2, -3, -4, -5; LH/RH REQ.)

A C — NAVY —
HEAT TREAT — FINISH
DRAFT VANCE WATER 4/25/42 — CHECK — STRUCT — MAT — APPROV — ENG.

OPP. HAND —

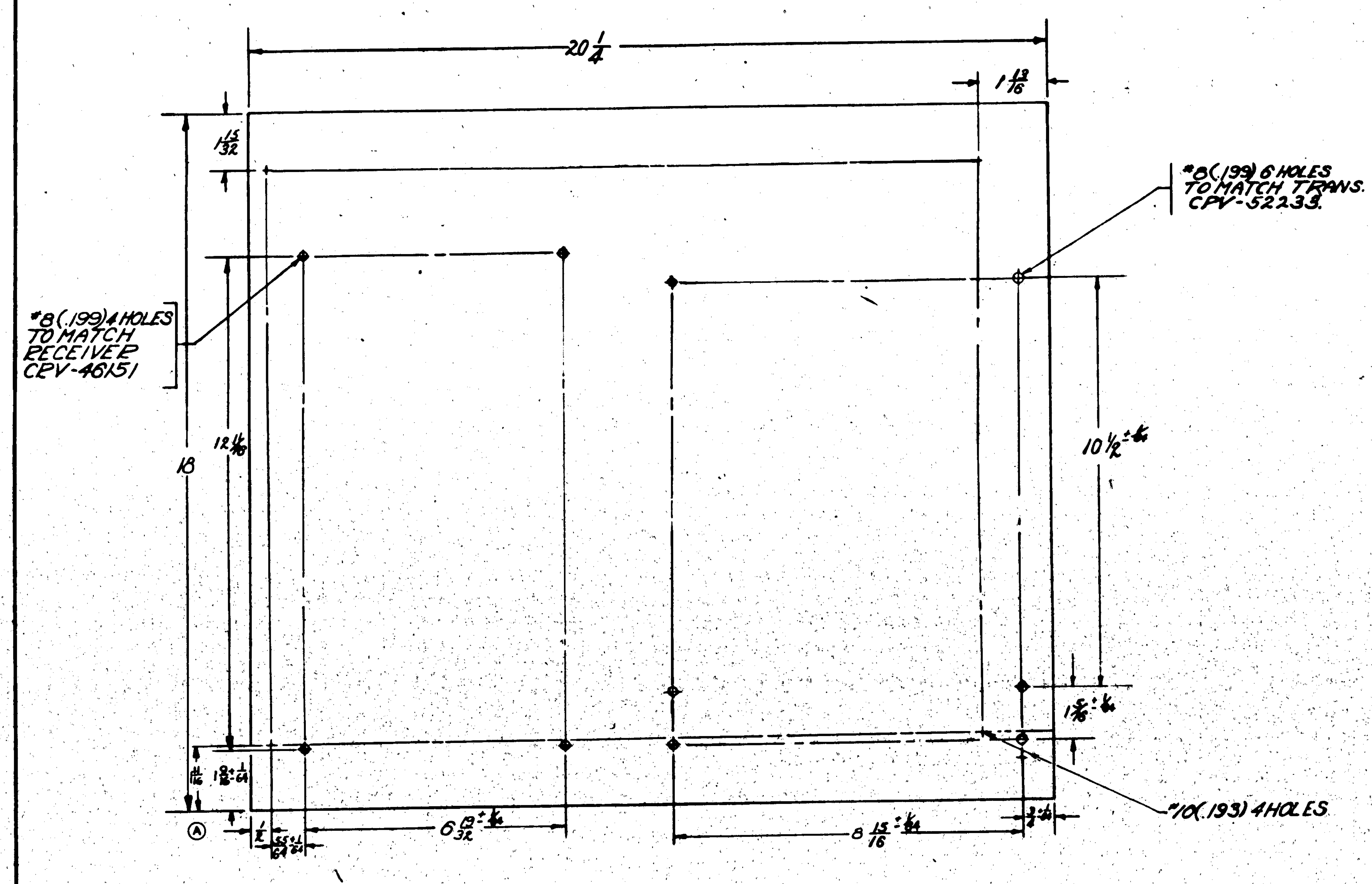
NAME: ASSM. FURN RADAR OPERATORS SEAT & STOP.

DWG. SIZE G — 28F6902

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 2059382

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	1 11/16 WAS 1 13/16 NO WT CHG.	[illegible]	[illegible]



NOTE:
APPLY FILLER, 1 COAT OF PRIMER SURFACER, & 2 SPRAY COATS OF ENAMEL TO MATCH ADJACENT SURFACES.

M.C.R. #143 MN

ASSY. DASH No.	MODEL	NEXT ASSY.	No.
	PBY-5A	28F6913	1
	PBY-5	28F6913	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 2.79

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
●	3/8 x 21 x 18 1/2	PLYWOOD	AN-NN-P-511

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

A C		DRAFT 9-12-42	CHECK	STRUCT	MAT	APPROV
NAVY —	NOTED	GEN-DERS 9-15-42				
HEAT TREAT	FINISH					

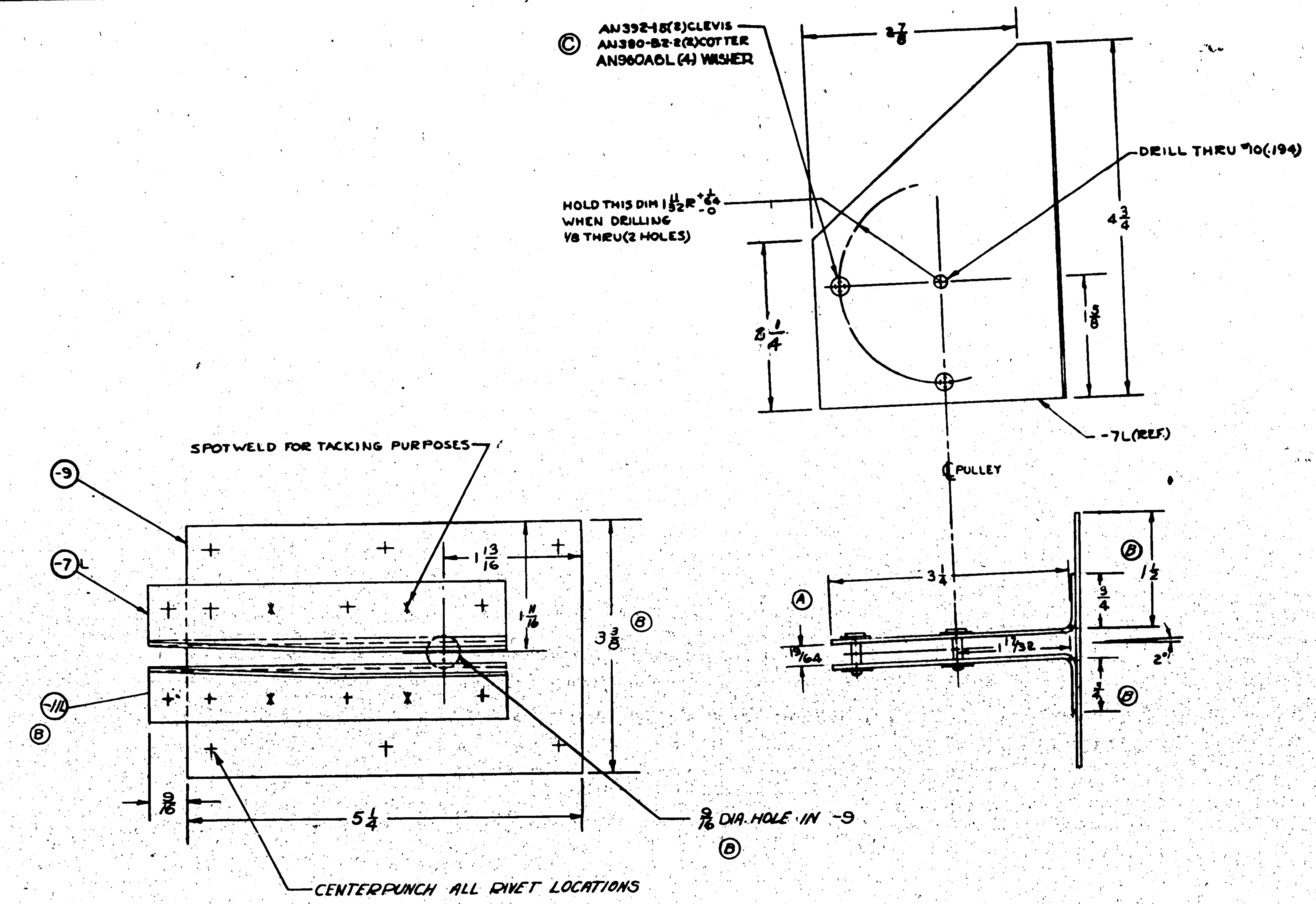
NAME SHELF-FURN-INTRA-SQUAD TRANS. & RECEIVER

OPP. HAND NONE

DWG. SIZE G — 28F6906

CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO, CALIF.

R



LET	ALTERATION	DATE	BY
A	REMOVED DIM 1 3/32 (2 PLACES) NO WT. CHG	11-12-42	
B	REVISED BRACKET ASS'Y. WAS (2) PULLEY BRACKETS. RENAMED -6L/R; -11L/R WAS -6L/R; 3/16 WAS 6; ADD 3/4 & 1 1/2 DIMS. 9/16 DIA. HOLE IN -9 WAS 5/16 DIA. HOLES (2) IN -9. AN392-15 & AN380 (2) WAS (4). -9 STOCK SIZE WAS .064 x 5 3/4 x 6 3/4. QQ-A-362-T WAS 47AB-T. WT. -.62	6-5-43	
C	AN392-15(2) WAS AN392-13(2) ADDED AN960A6L (4) WT. CHG NEG	9-6-43	

PART No	STOCK	MATERIAL	SPEC.	REQ.
AN960A6L				4 4
AN392-15				2 2
AN380-B2-2				2 2
-11R	.051 x 4 1/2 x 5	ALCLAD	QQ-A-362-T	1
-11L	.051 x 4 1/2 x 5	ALCLAD	QQ-A-362-T	1
-7R	.051 x 4 1/2 x 5	ALCLAD	QQ-A-362-T	1
-9	.064 x [illegible]	ALCLAD	QQ-A-362-T	1 1
-7L	.051 x 4 1/2 x 5	ALCLAD	QQ-A-362-T	1

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	No.
-R	PBY-5A	28A5152	1
-L	PBY-5A	28A5152	1
-R	PBY-5	28A5152	1
-L	PBY-5	28A5152	1

C. NO2(S)464 (PBY-5A); C#91876 31EON (PBY-5)

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. .257

REPLACED BY — ACT. WT.

LIMITS: ±1/32 & ±1/2° — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

AC — NAVY — HEAT TREAT — FINISH: Z-P-GP

DRAFT: LINN 9-5-42 — CHECK: 9-7-42 — MAT: HWS 9-15-42

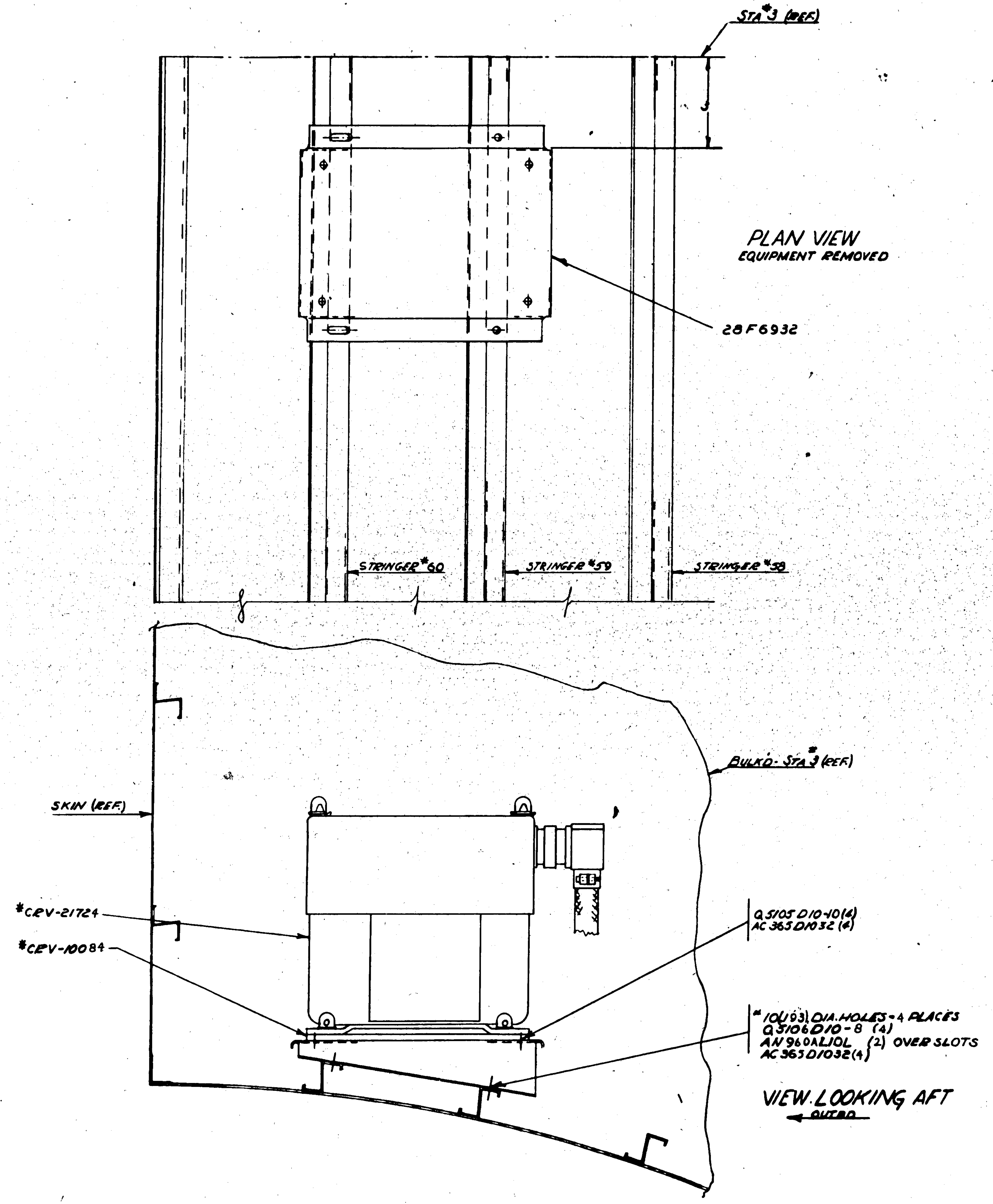
NAME: BRACKET ASS'Y - MK 51-5 BOMB RACK CONTROLS - PULLEY

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND 28F6921-R

G 28F6921

R



C.R. #143 MN

G.F.E.

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
# CRV-10084	BASE			1
# CRV-21724	ATB DYNA. JUNCTION BOX			1
AN960AL	10L			2
AC365D10	32			8
Q5106D10-	8			4
Q5105D10-	10			4
28F6932				1
-4				

PARTS LIST PER ASSY.

REQ. -0 REQ. -2 REQ. -3 REQ. -4 REQ. -5

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 15.5

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32 — SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

AC

NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT — CHECK — STRUCT — MAT. — APPD. — ENG.

NAME INSTALL ~ FURN ~ ATB DYNAMOTOR & BRKT.

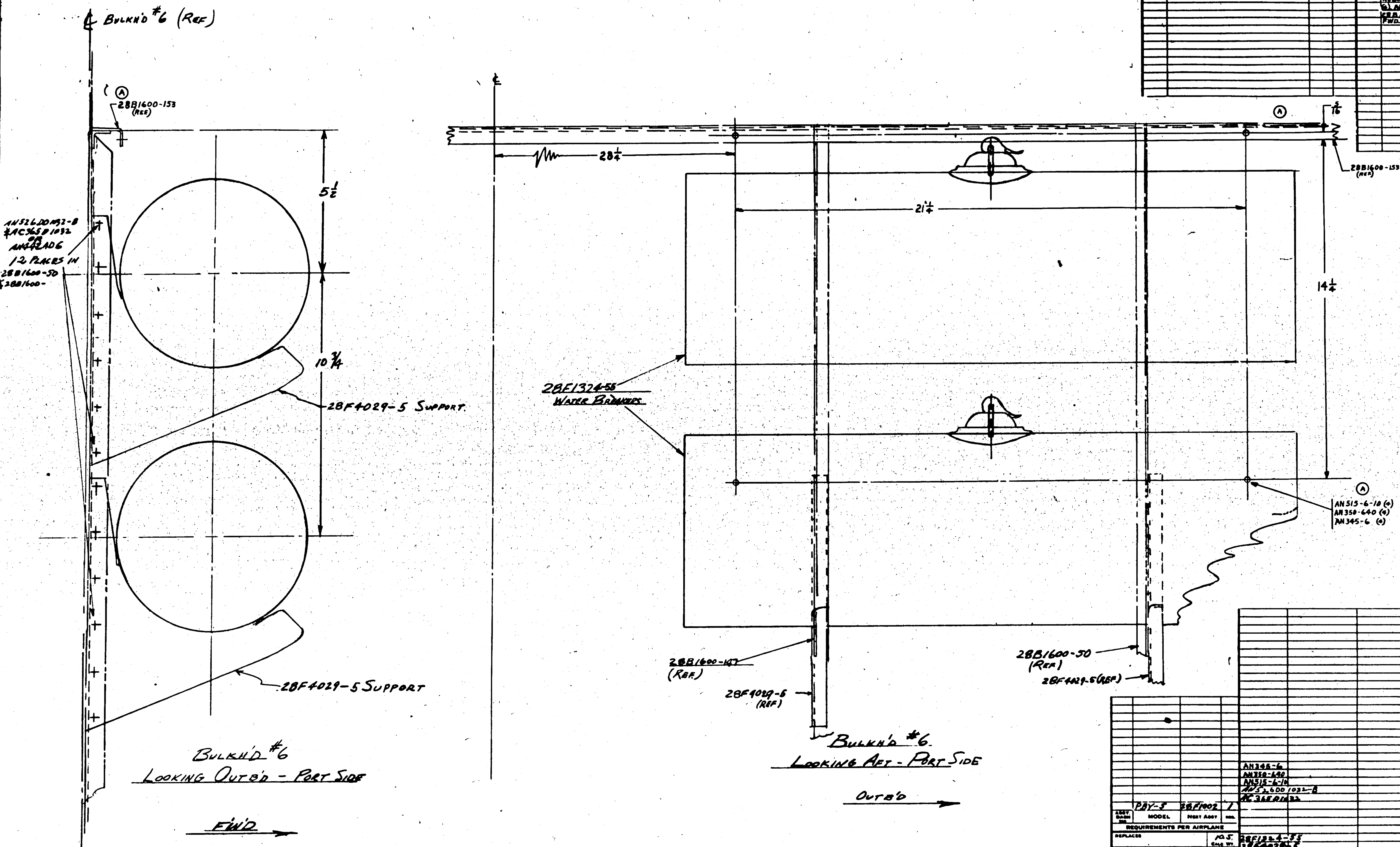
OPP. HAND NONE

DWG. SIZE G — 28F6927

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY



LET	ALTERATION	DATE	BY
A	ON FACE ADDED DIMS LOCATING BOND-ING POSTS 21¼, 14¼, 5½, 28¼. ADDED ON FACE & IN B/M AN515-6-10 (4), AN350-640 (4), AN345-6 (4). CHGD 2BB1600-153 (REF) FROM AFT TO FWD. SIDE OF BULKH'D #6 (WTCHG-NEG)	2-4-43	

PART No	STOCK	MATERIAL	SPEC.	REQ -0
AN345-6				4
AN350-640				4
AN515-6-10				4
AN526DD1032-8				24
AC365D1032				24
2BF1324-55				2
2BF4029-5				2

PARTS LIST PER ASSY.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 10.5 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C —

NAVY: NONE — HEAT TREAT

NONE — FINISH

DRAFT — CHECK — STRUCT — MAT — APPROV. — ENG

7/7/42 — 9-22-42

NAME: INST'N - FURN - WATER TANKS ON B'LKH'D #6.

OPP. HAND: NONE

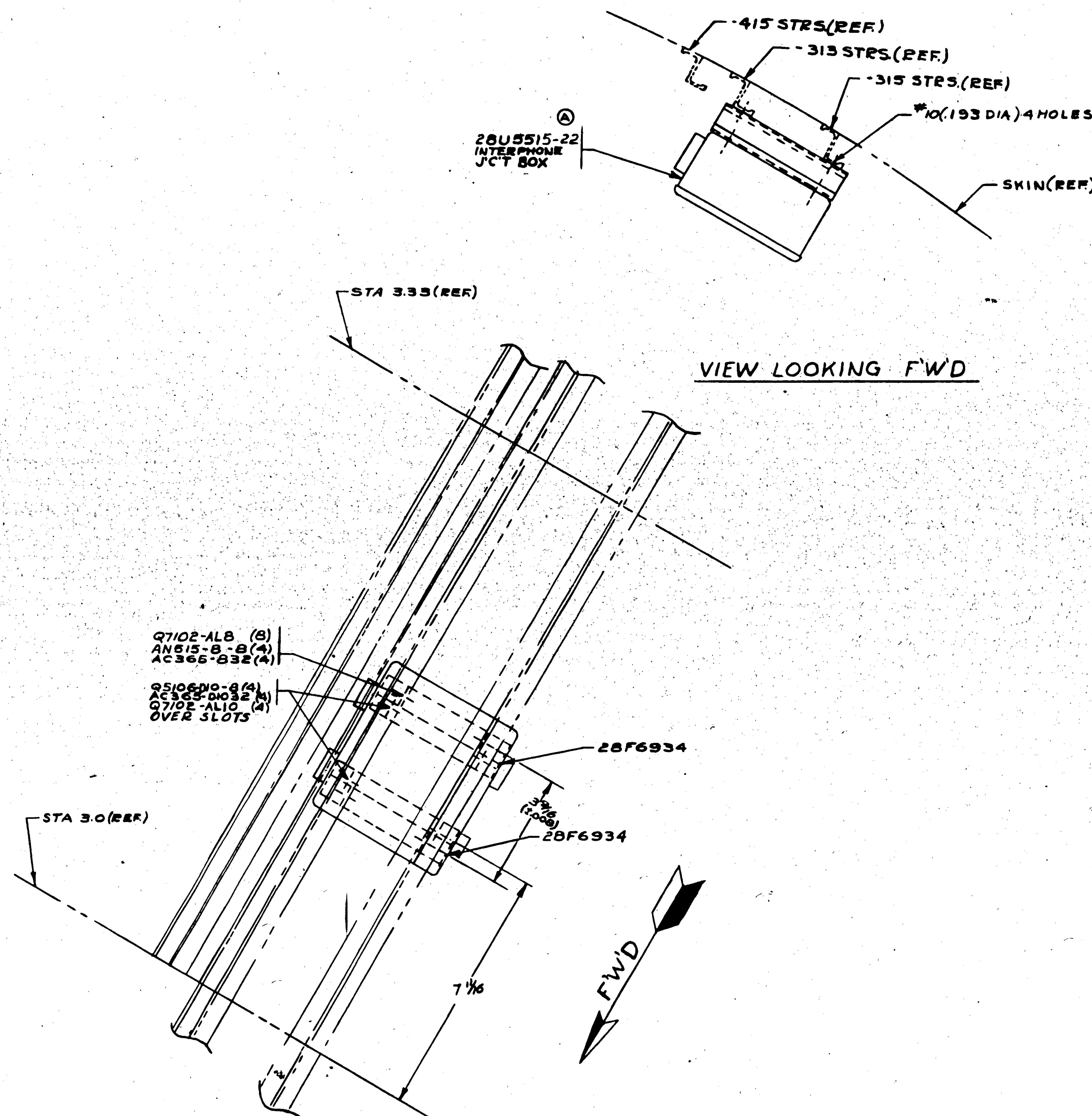
DWG. SIZE G — 28F6929

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

MCR #84

R

	LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE
E.O.A62829	A	28U5515-22 WAS 28U5515-16 NO WT. CHG	[illegible]	[illegible]			
E.O.A74844	B	NEXT ASS'Y 28F6405 WAS 28F10021 FOR PB 5 NO WT. CHG	[illegible]	[illegible]			



#80 ℄ ON (℄ 91876)

PART No	STOCK	MATERIAL	SPEC.	-0	-2	-3	-4	-5
AN515-8-8				4				
Q7102-AL10				4				
Q7102-AL8				8				
Q5106-D10-8				4				
AC365-D1032				4				
AC365-832				4				
28U5515-22				1				
28F6934				2				

PARTS LIST PER ASSY.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6405	1

REQUIREMENTS FOR AIRPLANE

REPLACES — 1.25 CALC. WT.

REPLACED BY — ACT. WT.

: 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

A.C.

NAVY NONE — NONE

HEAT TREAT — FINISH

DRAFT — CHECK — STRUCT — MAT — APPROV — ENG.

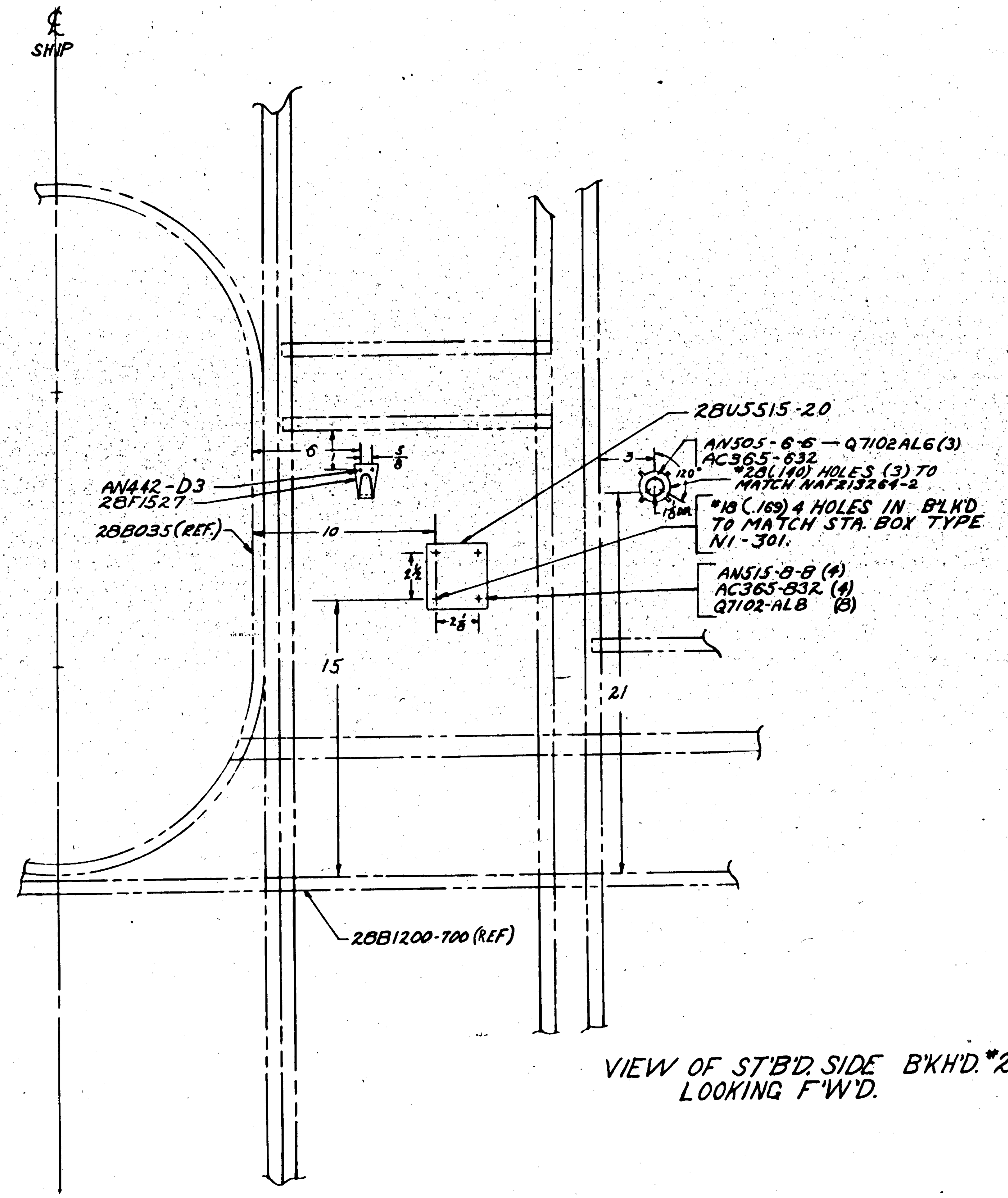
NAME INSTALL-FURNS_RL24B INTERPHONE J'C'T BOX

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SPEC. NONE

G 28F6933

R



VIEW OF ST'B'D. SIDE B'KH'D. #2
LOOKING F'W'D.

* G.F.E.

M.C.R. #153

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
AN442-D3				1
*NAF213264-2	MICROPHONE HOLDER			1
28F1527	HEADSET HOOK			1
AC365-632				3
AN505-6-6.				3
AN515-8-8				4
AC365-832				4
Q7102AL8				8
Q7102AL6				3
28U5515-20				1

PARTS LIST PER ASSY.

ASSY. DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5	28F6406	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. .128
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 3" = 1'0"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT 9-11-42 — CHECK 9-11-42 — STRUCT — MAT. — APPROV. 9-15-42 — ENG.
OPP. HAND NONE

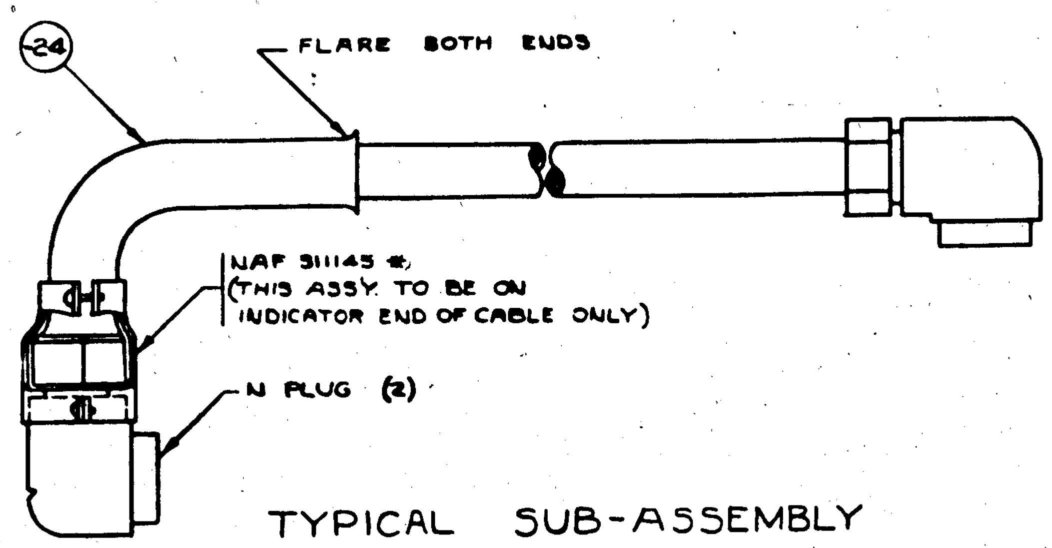
NAME INST. FURNS. INTERPHONE STA. BOX RADAR OPERATOR

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

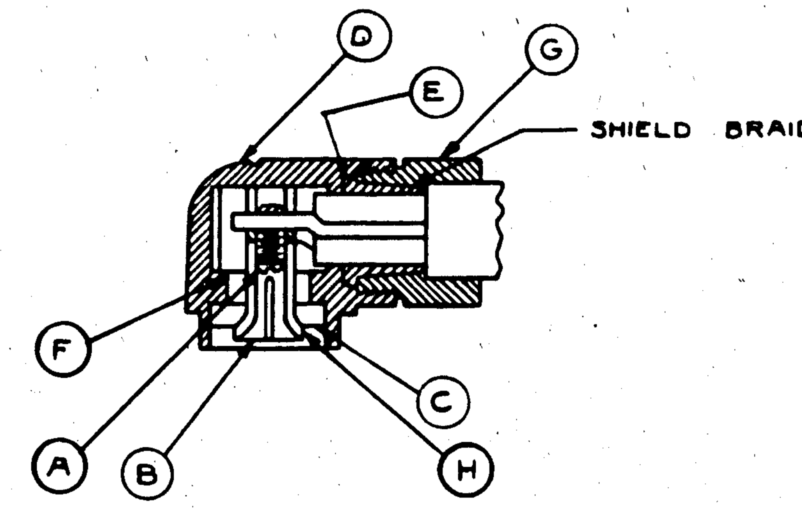
DWG. SIZE G — 28F6938

R

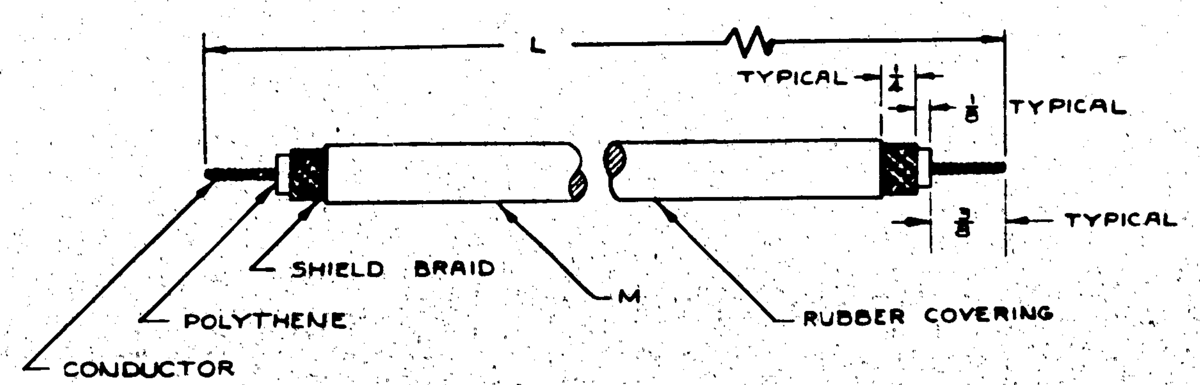
LET	ALTERATION	DATE	BY
G	TRACED. NO WT. CHG.	[illegible]	[illegible]
H	REMOVED FROM D/M FOR -24 "AL.AL.:SPEC.44T28-T" & REPLACED BY "NOTED." ADD NOTE #8. NO WT. CHG.	10-1-43	[illegible]



TYPICAL SUB-ASSEMBLY



PLUG DETAIL
SEE NOTES



STRIPPING DETAIL

SUB ASSY.	L	M	N	WEIGHT
-6	7'-0"	-20	10H/329	.80#
-7	6'-0"	-21	10H/329	.54#
-8	9'-7"	-22	10H/329	.80#
-9	8'-4"	-23	10H/329	.75#
-10	6'-7"	-25	10H/329	.57#
-26	6'-3"	-27	10H/329	.55#
-28	10'-1"	-29	10H/329	.80#
-30	9'-1"	-31	10H/329	.74#
-32	6'-9"	-33	10H/329	.55#

NOTES :
1. (1) LENGTH "L" OF CABLE WILL BE APPROXIMATE. EXACT LENGTHS FOR EACH "BATCH" OF CABLE WILL BE DETERMINED BY TEST & SUPPLIED TO SHOP BY RADAR TEST GROUP
(2) SINCE THE POLYTHENE INSULATION OF THE CABLE MELTS AT 80° C. TINNING MUST BE DONE QUICKLY WITH A CLEAN HOT IRON TO PREVENT SPOILING THE CABLE.
(3) CABLE CANNOT BE BENT IN LESS THAN A 10" RADIUS DUE TO "COLD-FLOW" PROPERTIES OF POLYTHENE UNDER COMPRESSION.
(4) NOTE: IF CABLE INSULATION IS DAMAGED BY HEAT, IF CABLE IS SQUEEZED WITH PLIERS OR VISE, OR IF WIRE IS CUT TOO SHORT, THE CABLE MUST BE REPLACED.
2. PREPARATION OF CABLE:
CUT CABLE INTO LENGTHS 1/2" LONGER THAN REQUIRED. THE PREPARED LENGTH SHOULD BE AT LEAST 3/8" LONGER THAN THE DISTANCE BETWEEN PLUG CENTERS. THE CABLE SHOULD LIE FLAT FOR 24 HOURS BEFORE ASSEMBLY TO ALLOW THE INSULATION TO CONTRACT, SINCE THIS WILL HAVE STRETCHED SLIGHTLY DUE TO COILING. SEAL CUT ENDS WITH LIQUID POLYSTYRENE TO PREVENT MOISTURE ENTRANCE & WRAP WITH TAPE FOR MECHANICAL PROTECTION UNTIL READY FOR USE. CAUTION — CABLE MUST BE HANDLED WITH GREAT CARE: SQUEEZING CABLE IN VISE WILL DESTROY ELECTRICAL PROPERTIES.
3. ASSEMBLY OF SOCKET ON CABLE:
(1) REMOVE THE PROTECTIVE COVERING OVER THE SHIELD BRAID FOR A DISTANCE OF 15/16" FROM THE CABLE END & PUSH THE CLAMPING SCREW (G) OVER THE END OF THE CABLE SO THE SHOULDER IS FIRMLY SEATED AGAINST THE RUBBER COVERING. IT MUST BE KEPT IN POSITION THROUGHOUT THE ASSEMBLY.
(2) UNWEAVE THE PROTRUDING SHIELD BRAID WITH A BLUNT INSTRUMENT & SPLAY EVENLY BEFORE PASSING THE SLEEVE (E) UNDER THE BRAID INTO THE CLAMPING SCREW (G). PRESS THE SLEEVE INTO THE CLAMPING SCREW AS HARD AS POSSIBLE BY HAND. TRIM OFF THE PROTRUDING STRANDS OF BRAID AS CLOSE TO THE CLAMPING SCREW AS POSSIBLE.
(3) THE INSULATION SHOULD NOT PROTRUDE MORE THAN 1/8" FROM THE SLEEVE & THE BARE CONDUCTOR SHOULD PROTRUDE — 5/16.
(4) TWIST THE STRANDED CONDUCTOR TIGHTLY WITH FLAT-NOSE PLIERS & LIGHTLY TIN.
(5) FIT THE MOLDED SPACER (F) IN THE SOCKET BODY (D) SO THAT THE SMALL HOLE IS OPEN TO THE CABLE ENTRANCE & THE LARGE HOLE POSITIONED TO RECEIVE THE SOCKET (B).
(6) PLACE THE SPRING RING (H) & THE MOLDED WASHER (C) IN TURN OVER THE SOCKET (B), BEFORE FITTING IT INTO THE MOLDED SPACER (F) ALREADY IN POSITION IN THE PLUG SHELL (D).
(7) TIGHTEN PLUG SHELL (D) ON TO CLAMPING SCREW (G) & TAKE-UP ON SLACK-SCREW (A) UNTIL CABLE CONDUCTOR IS FIRMLY CLAMPED, NOT SMASHED.
4. ON CABLES WHERE -24 IS NOT USED PUT TAPE BOGGLE ON CABLE TO SECURE TIGHT FIT BETWEEN CABLE & N.A.F. 311145.
5. PLUG ON -6 ASSY. TO BE SET AT 4 O'CLOCK POSITION. ALL OTHER ASSY'S. PLUG SET AT 6 O'CLOCK POSITION.
6. FINISH -24 WITH Z.P. & GLOSS BLACK LACQUER PER SPEC. AN-TT-L-51.
7. * DENOTES GOVERNMENT FURNISHED EQUIPMENT.
(H) 8. MATERIAL FOR -24 MAY BE:
(A) 24ST AL. ALLOY TUBING, SPEC. 44T28-T, OR
(B) 52SO ALUMINUM ALLOY TUBING, SPEC. WW-T-787

C° No8 (3) 464
#1 TO MCR 270-12

C° 91876
(90 & ON)

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-32	PBY-5A	28F6955	1
-30	PBY-5A	28F6955	2
-28	PBY-5A	28F6955	1
-26	PBY-5A	28F6955	2
-6	PBY-5A	28F6955	1
-10	PBY-5	28F6955	1
-9	PBY-5	28F6955	2
-8	PBY-5	28F6955	1
-7	PBY-5	28F6955	2
-6	PBY-5	28F6955	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6941 OF 9-15-42 — NOTED CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE: NONE
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ.
*NAF311145	(CLAMP)	(10-1774)		1
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	1
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -33	AS-48	COAXIAL CABLE X 6' 9"		1
-32	SUB ASSY			
*NAF311145	(CLAMP)	(10-1774)		1
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	1
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -31	AS-48	COAXIAL CABLE X 9' 1"		1
-30	SUB ASSY			
*NAF311145	(CLAMP)	(10-1774)		2
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -29	AS-48	COAXIAL CABLE X 10' 1"		1
-28	SUB ASSY			
*NAF311145	(CLAMP)	(10-1774)		1
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	1
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -27	AS-48	COAXIAL CABLE X 6' 3"		1
-26	SUB ASSY			
*NAF311145	(CLAMP)	(10-1774)		1
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	1
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -25	AS-48	COAXIAL CABLE X 6' 7"		1
-10	SUB ASSY			
*NAF311145	(CLAMP)	(10-1774)		1
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	1
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -23	AS-48	COAXIAL CABLE X 8' 4"		1
-9	SUB ASSY			
*NAF311145	(CLAMP)	(10-1774)		2
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	1
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -22	AS-48	COAXIAL CABLE X 9' 7"		1
-8	SUB ASSY			
*NAF311145	(CLAMP)	(10-1774)		1
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	1
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -21	AS-48	COAXIAL CABLE 6' 0"		1
-7	SUB ASSY			
*NAF311145	(CLAMP)	(10-1774)		2
-24	1/2 O.D.X.035X3 1/2	NOTED	NOTED	1
*10H/329	COAXIAL PLUG	(SINGLE)		2
* -20	AS-48	COAXIAL CABLE X 7' 0"		1
-6	SUB ASSY			

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

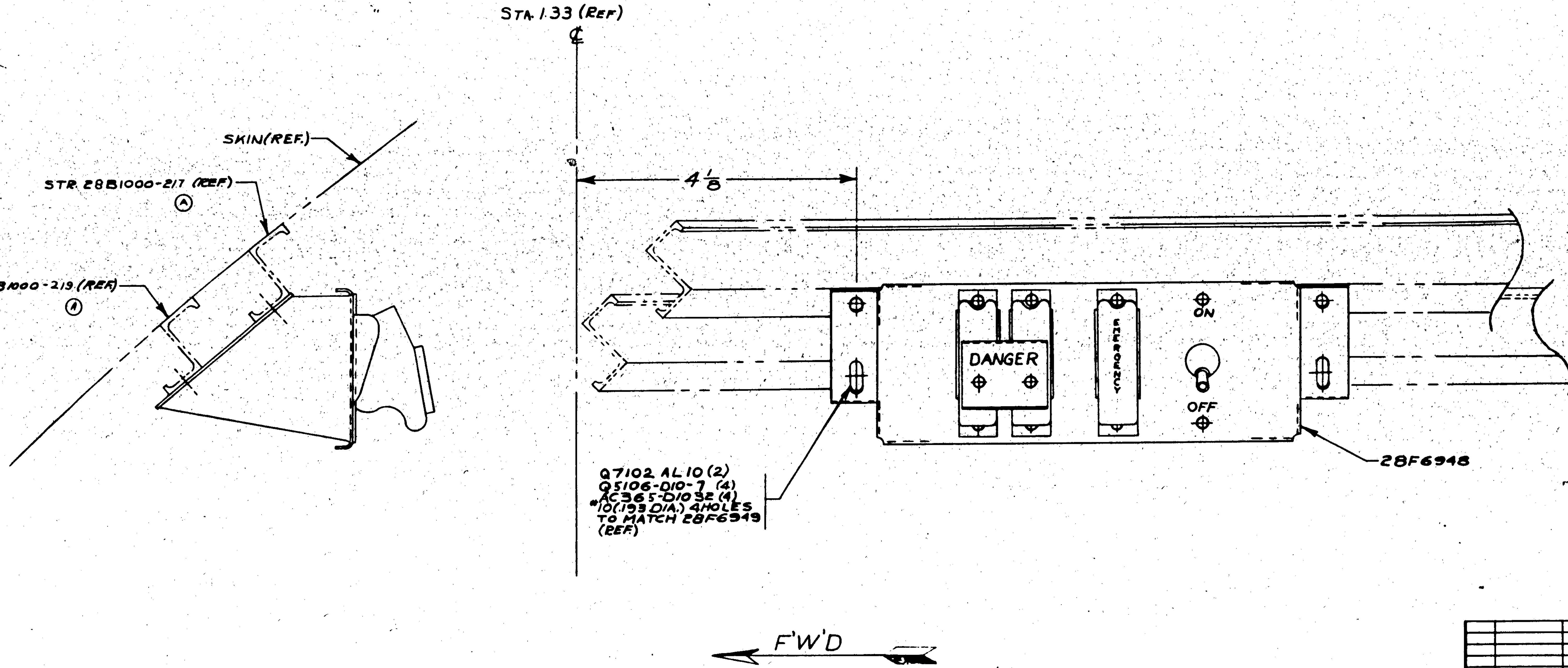
A.C. — NAVY: NOTED — HEAT TREAT — FINISH
DRAFT 9-15-42 JEW — CHECK — STRUCT — MAT — APPROV — ENG.
OPP. HAND

NAME CABLES - FURN - AS-48
COAXIAL TRANSMISSION LINES
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F6941

R 28F6941

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	STR. 28B1000-217(REF) WAS -215(REF) & -219(REF) WAS -217(REF) NO WT CHG.	[illegible]	[illegible]



VIEW LOOKING OUT'B'D

C91876 SK'ON

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
Q5106-D10-7				4				
Q7102 AL10				2				
AC365-D1032				4				
28F6948				1				

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. .61

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NONE	9-16-42	9-18-42			9-25-42	
HEAT TREAT	FINISH						

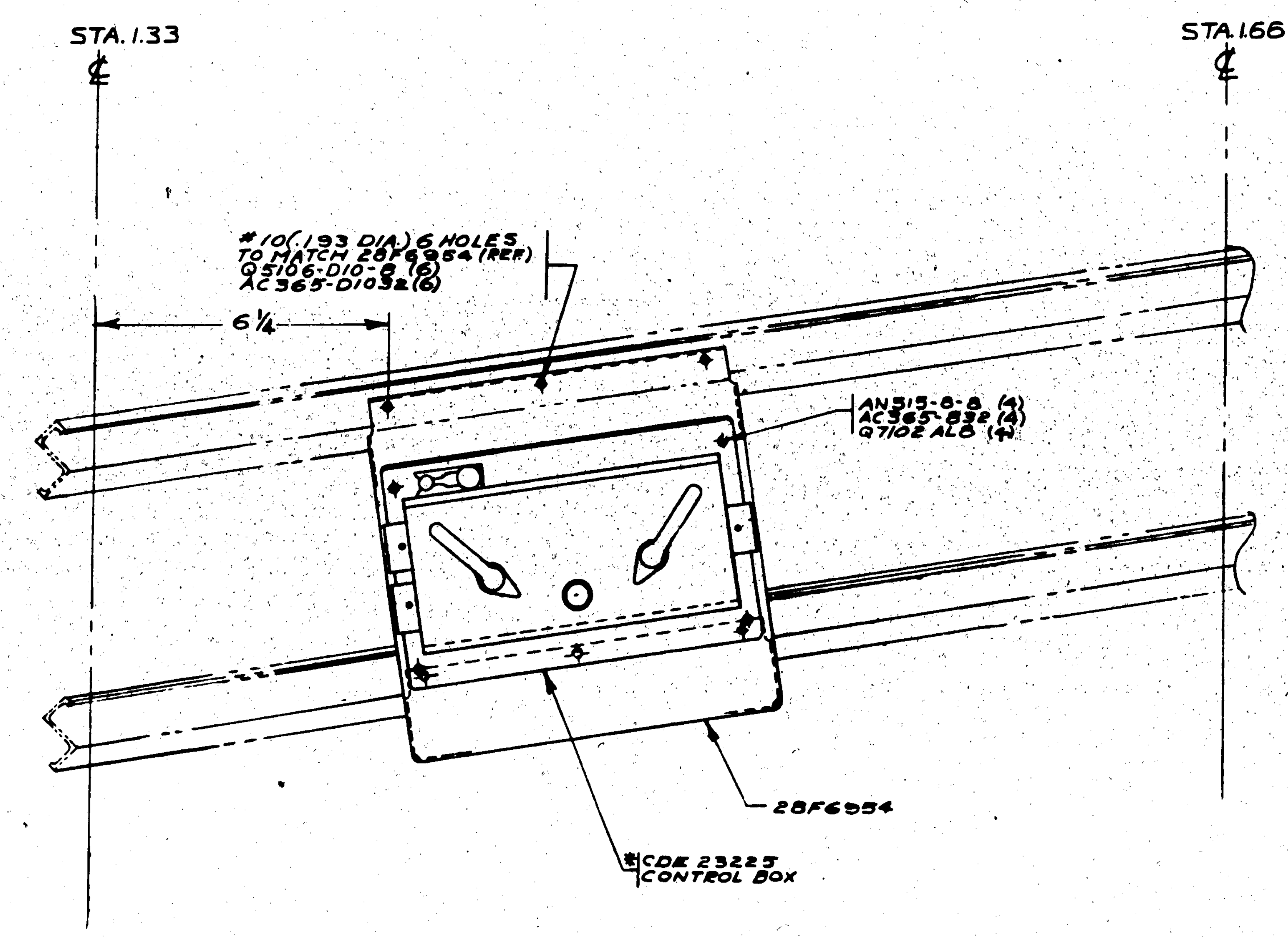
NAME INSTALL-FURNS-PILOTS IFF CONTROL SWITCH & BR'KT

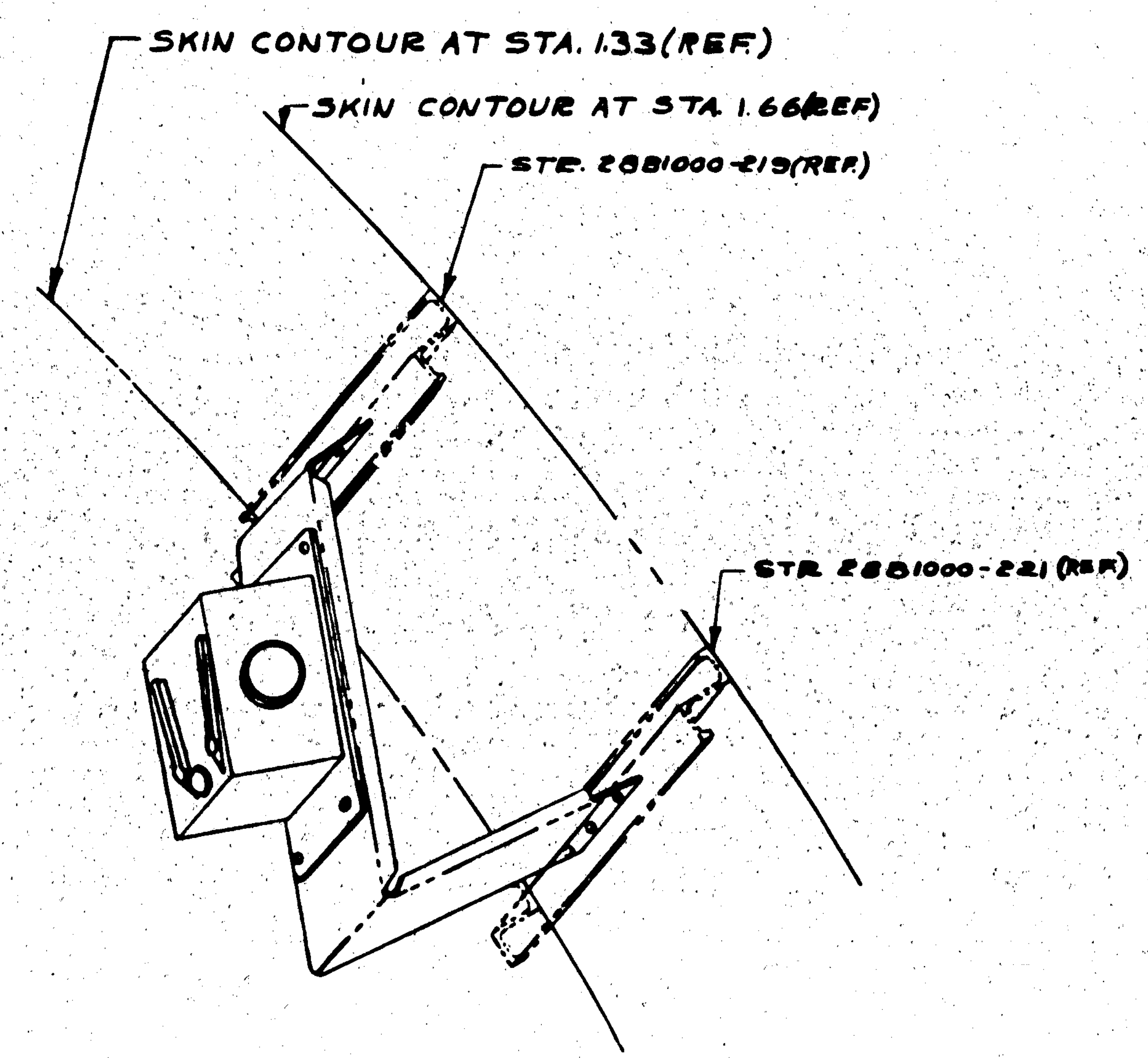
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND —

DWG. SIZE G — 28F6947

R





VIEW LOOKING FWD & OUTBD

* DENOTES GOV. FURN. EQUIP.

WTS:
* = 1.7
28F6954 = .68
TOTAL - 2.38

APPROVED FOR TOOLING BY

PART OF MASTER CHANGE # 137

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
*CDE 23225	PILOTS	CONTROL BOX		1
AN515-8-8				4
Q7102 AL8				4
Q5106-D10-8				6
AC365-D1032				6
AC365-832				4
28F6954				1

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — NOTED CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN

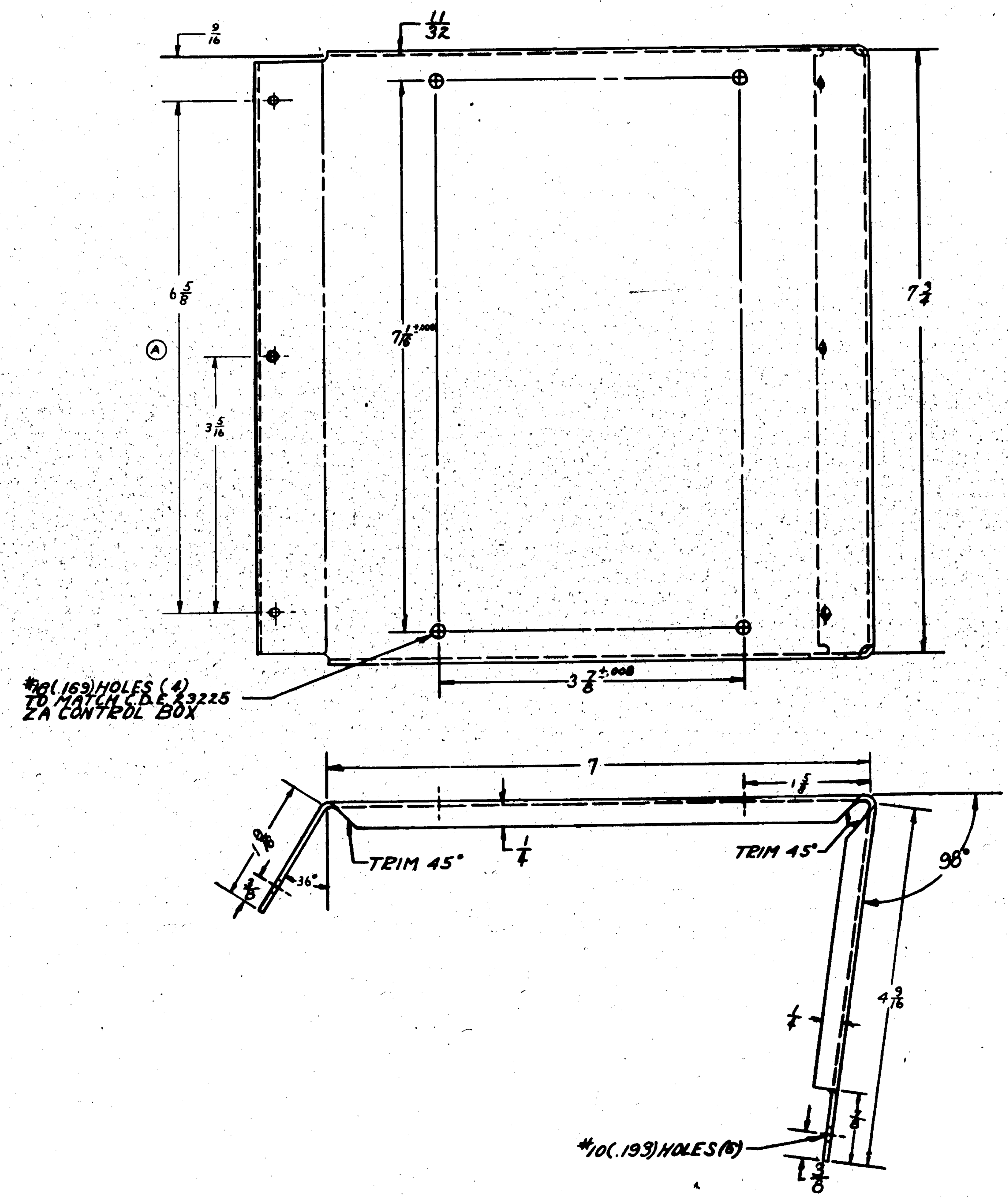
AC
NAVY NONE — NONE
HEAT TREAT — FINISH
DRAFT 9/22 — CHECK — STRUCT — MAT — APPROV — ENG.

NAME INSTALL.-FURNS-PILOTS ZA CONTROL BOX

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND
SIZE G — DWG. 28F6953

R



LET	ALTERATION	DATE	BY
A	[illegible] NO WT. CH'G.	[illegible]	[illegible]

#90 for C.91876

	MODEL	NEXT ASSY.	REQ.
-6	PBY-5	28F6953	1

PART No.	STOCK	MATERIAL	SPEC.
	9X13½X.040	ALC.24ST	47AB-T 1

PARTS LIST FOR ASSY.

.68

SCALE 12"=1'0"

APPROVED FOR TOOLING BY

M.C. 137

HEAT TREAT: NONE

FINISH: Z-P-GP

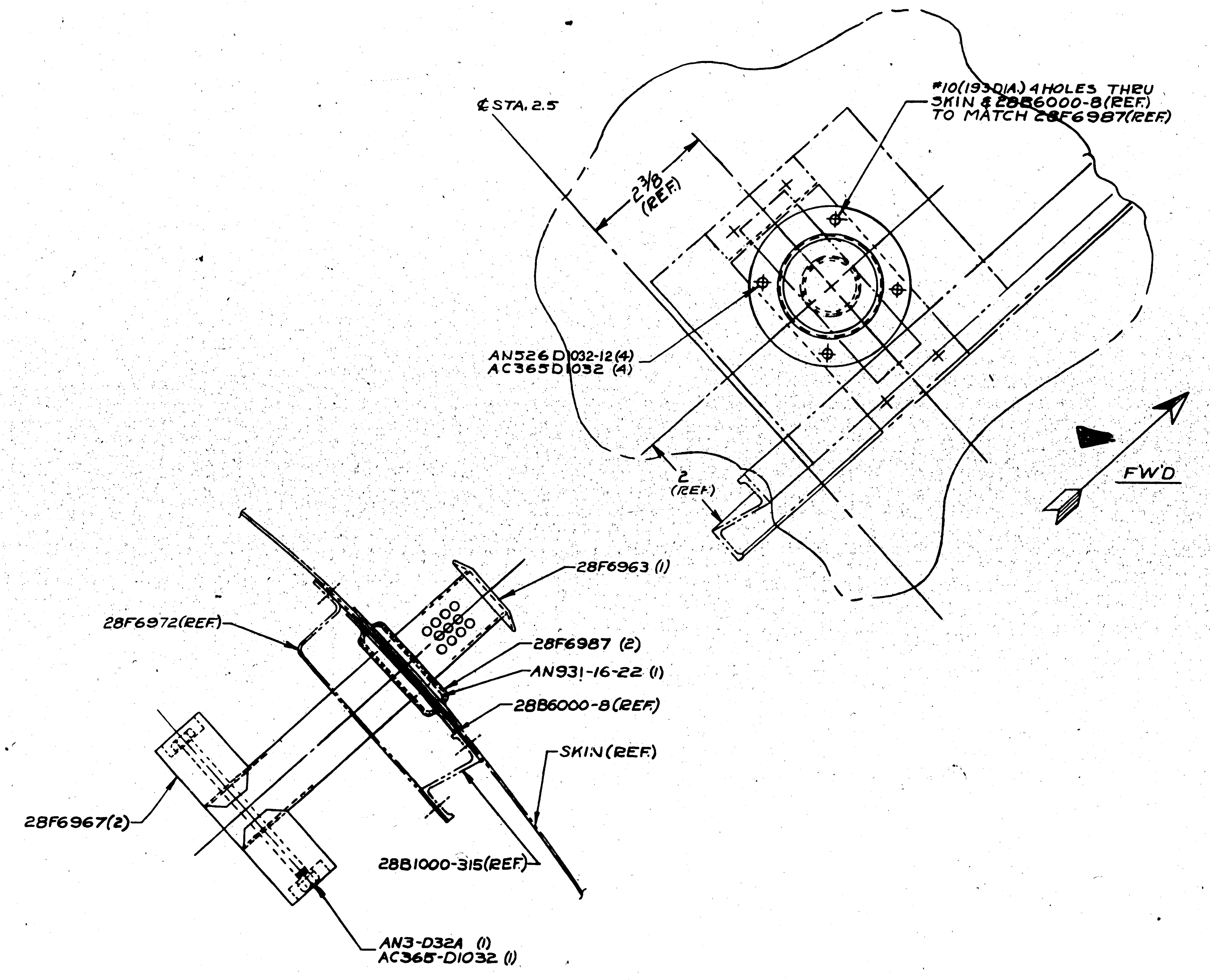
OPP. HAND: NONE

NAME: BRACKET - FURNS - PILOTS ZA CONTROL BOX

DWG. G 28F6954

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

R 9-26-42



VIEW LOOKING FWD STBD SIDE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0.
AN3-D32A				1
AN931-16-22				1
AN526D1032-12				4
AC365D1032				5
28F6987				2
28F6967				2
28F6963				1
-6				

PARTS LIST PER ASSY.

HCR 167-1

MODEL	NEXT ASSY.	REQ.
PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

E.O. 65328 — .47# CALC. WT.

SCALE 12"=1'0" — ± 1/32

NAVY NONE (HEAT TREAT) — NONE (FINISH)

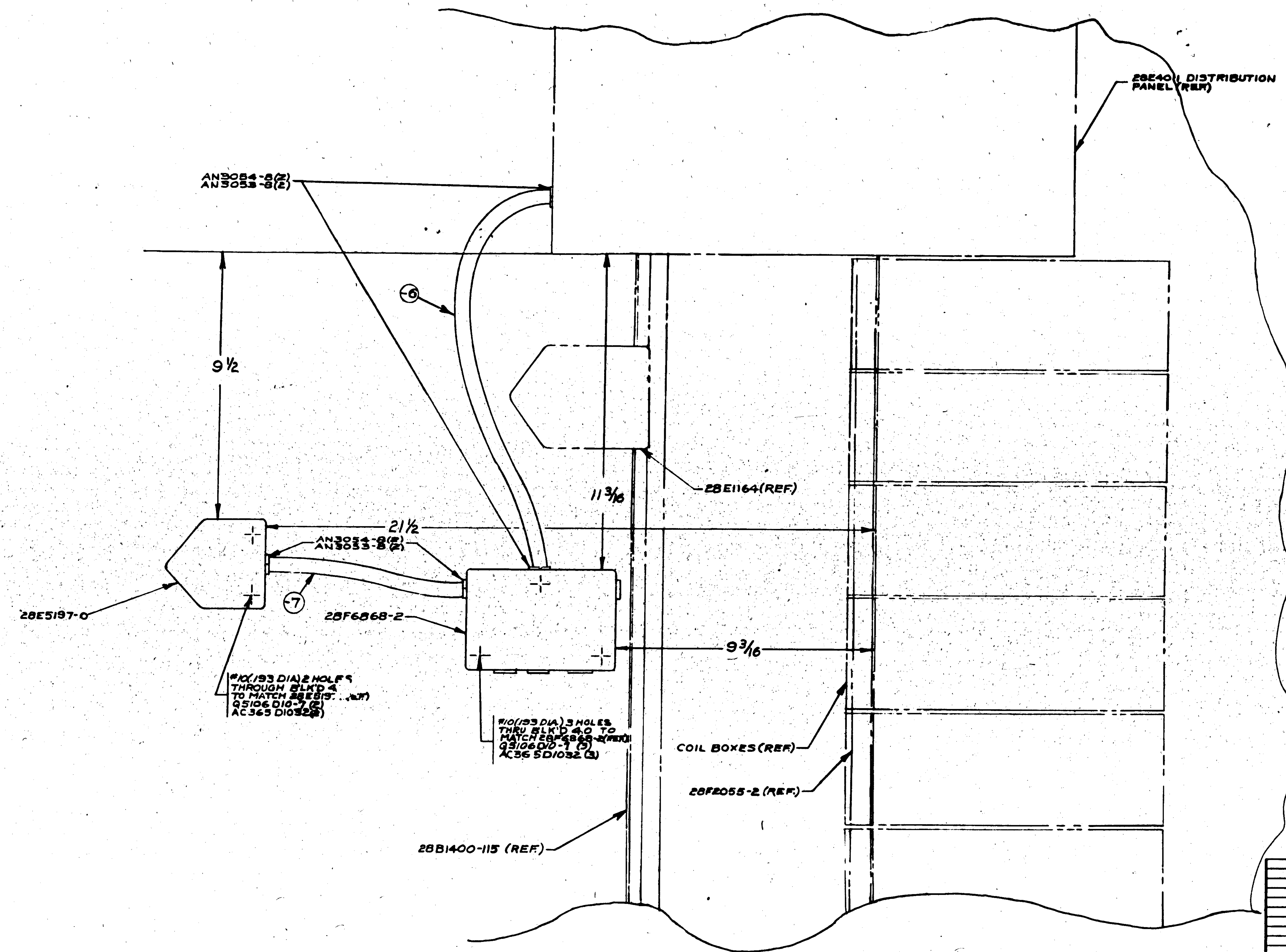
NAME INSTALLATION - FURNS - RADAR OPERATORS VENTILATOR

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6964

R

APPROVED FOR TOOLING BY
R.B. Humphreys 11-2-42



VIEW LOOKING AFT ON ST'BD SIDE OF B'LKD 4.0

PART No	STOCK	MATERIAL	SPEC.	REQ -0
AN3053-8				4
AN3054-8				4
Q5106 D10-7				5
AC365 D1032				3
28E5197-0				1
28F6868-2				1
-7	1/2 O.D. x .028 x 7½	44T19-½H		1
-6	1/2 O.D. x .028 x 18	44T19-½H		1

PARTS LIST PER ASSY.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.48 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

AC — NAVY NONE — HEAT TREAT — NONE — FINISH

DRAFT — CHECK — STRUCT — MAT. — APPROV — ENG

NAME INSTALL-FURNS-ABD JUNCTION BOXES

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

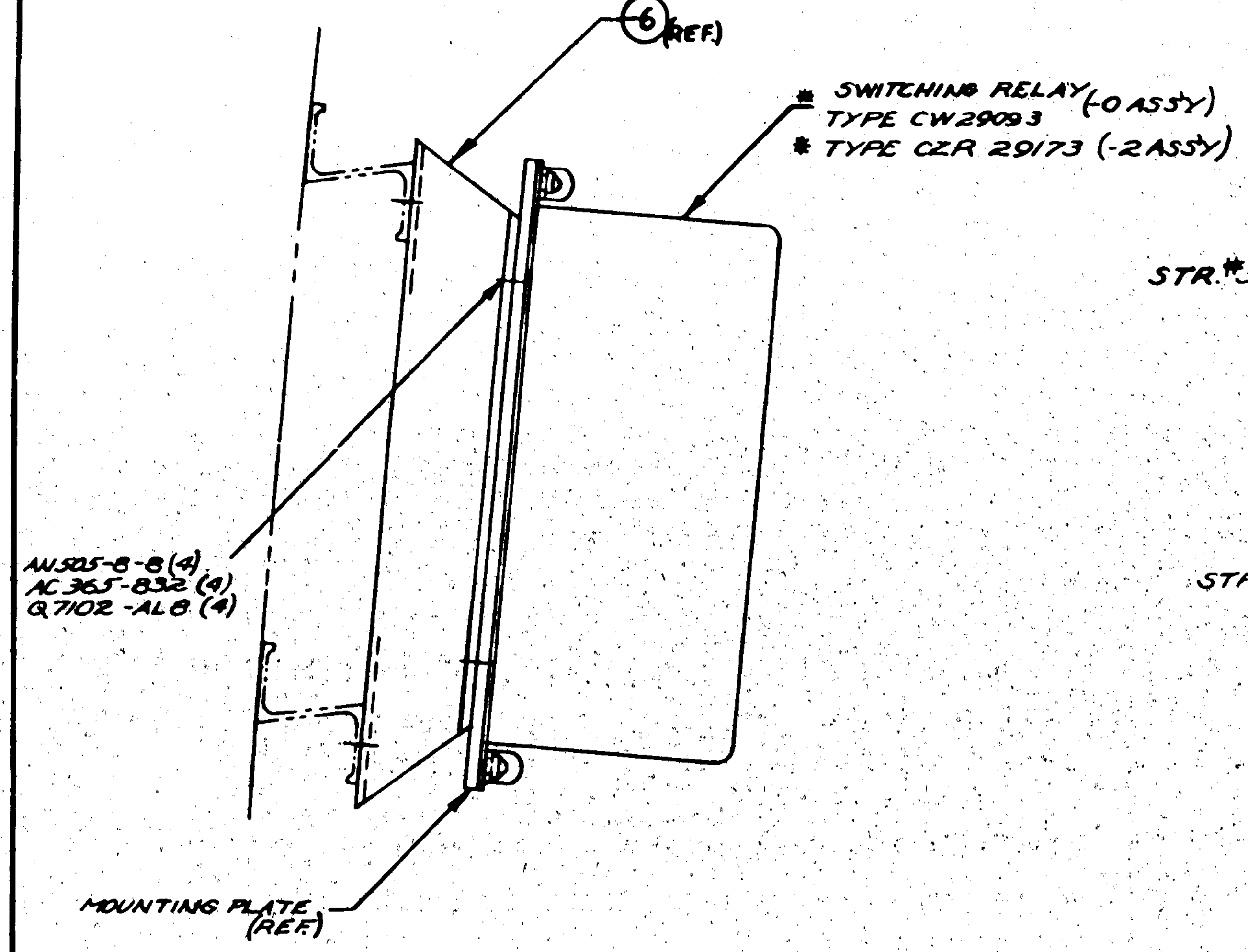
OPP. HAND

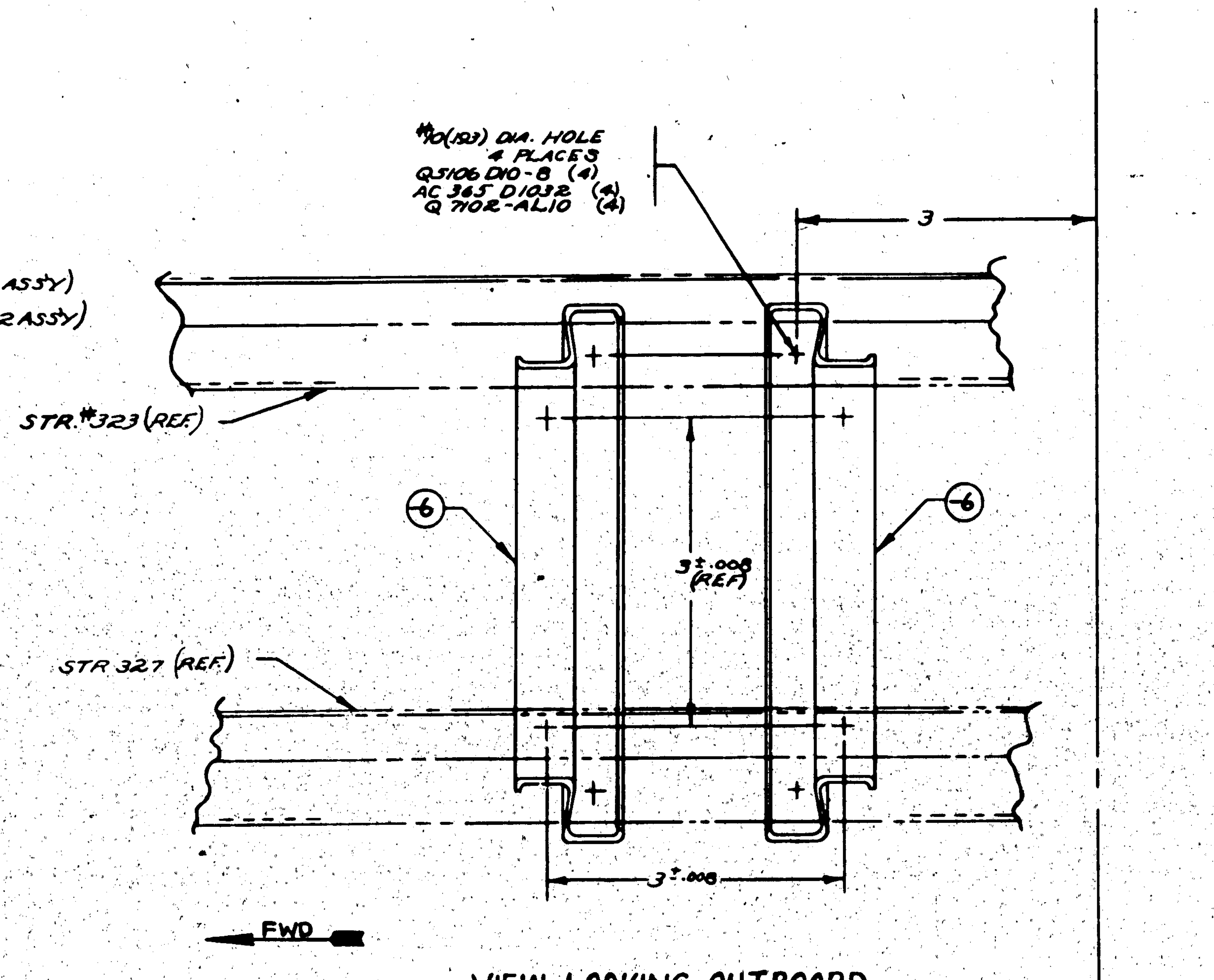
DWG. SIZE G — 28F6970

R

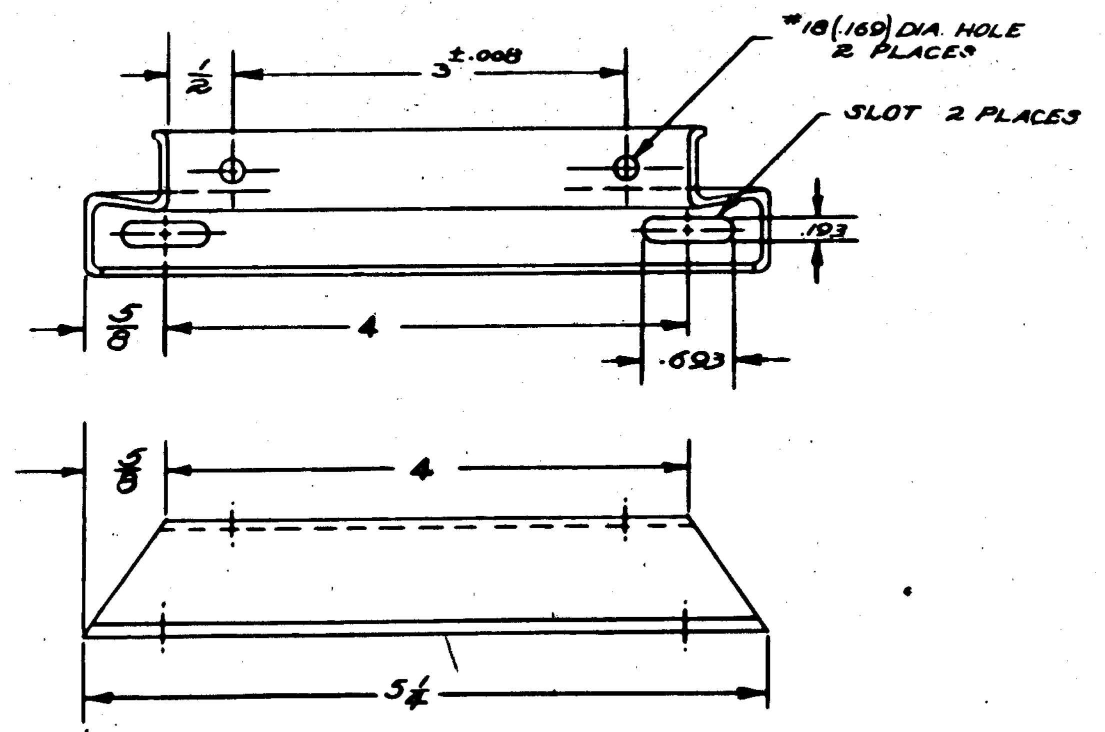
MC 138

LET	ALTERATION	DATE	BY
A	ADDED NOTE #1 WT.CHG.NEG	2-2-43	
B	REMOVED FROM FACE "NOTE 1. FOR PBY-5A C13595, CW29093 SWITCHING RELAY MAY BE REPLACED WITH SWITCHING RELAY CZR 29173". FROM REQ BLOCK REMOVED "PBY-5A N/A 28F6002 (1) REQ. MCR 144-3 WAS MCR 144-13.	3-23-43	
C	IN B/M FOR -6, REPLACED "R5040 x 5⅜, AL AL 24ST 46A9-COND T" WITH Y-37-ABRT x 3⅜ WT.CHG.NEG	4-29-43	POLLET
D	ON FACE & IN B/M CREATED -2 ASS'Y. IN REQ. BLK. ADDED -2 ASS'Y. PBY-3 N/A 28F1002 (1) REQ. & RESTRICTED TO MCR 238-C. RESTRICTION C.91876 #90 TO MCR 238-C FOR -0 ASS'Y PBY-3 WAS MCR 144-3" WT. CHG NEG	5-31-43	HLAVIN





VIEW LOOKING OUTBOARD
STARB'D SIDE
WITH SW. RELAY & M'T'G PLATE REMOVED



DETAIL -6
SCALE 12"=1'-0"

* DENOTES GOV'T FURNISHED EQUIP'T.

MCR 238-C
C 91876 #90 TO MCR 238-C

DASH NO.	MODEL	NEXT ASSY.	REQ.
-2	PBY-3	28F1002	1
-0	PBY-3	28F1002	1

REQUIREMENTS FOR AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
* CZR 29173 SWITCHING RELAY					1			
* CW29093 SWITCHING RELAY				1				
Q7102-AL10				4	4			
Q7102-AL8				4	4			
Q5106 D10-8				4	4			
AN505-8-8				4	4			
AC365 D1032				4	4			
AC365-832				4	4			
-6	Y-37-ABRT x 3⅜			2	2			

PARTS LIST FOR ASSY.

REPLACES — 1-5 LBS. WT.
REPLACED BY — APP. WT.
SCALE 12" = 1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN

A C		
NAVY —	ZP-6P	
HEAT TREAT	FINISH	

DRAFT | CHECK | STRUCT | MAT | APPROV | ENG

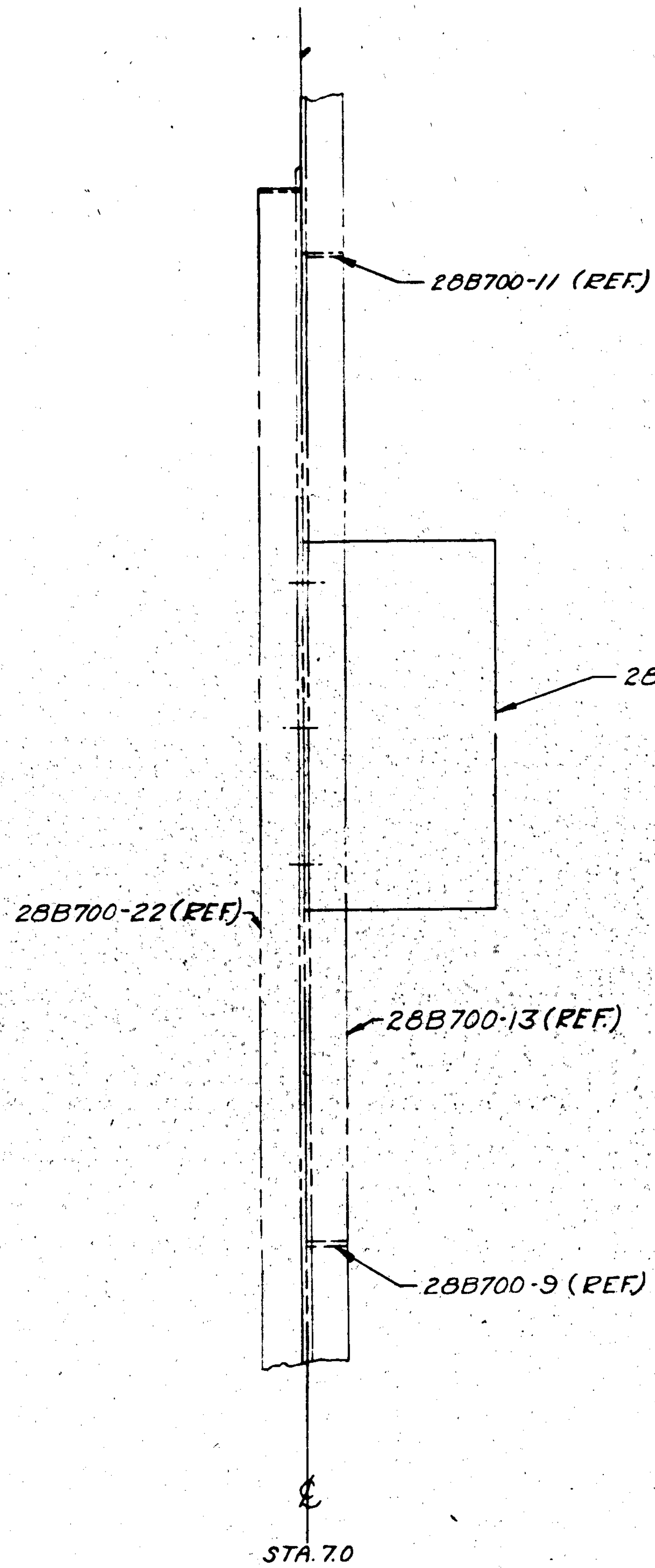
NAME INST'L'N-FURN-ZB SWITCHING RELAY

OPP. HAND —

G 28F6974

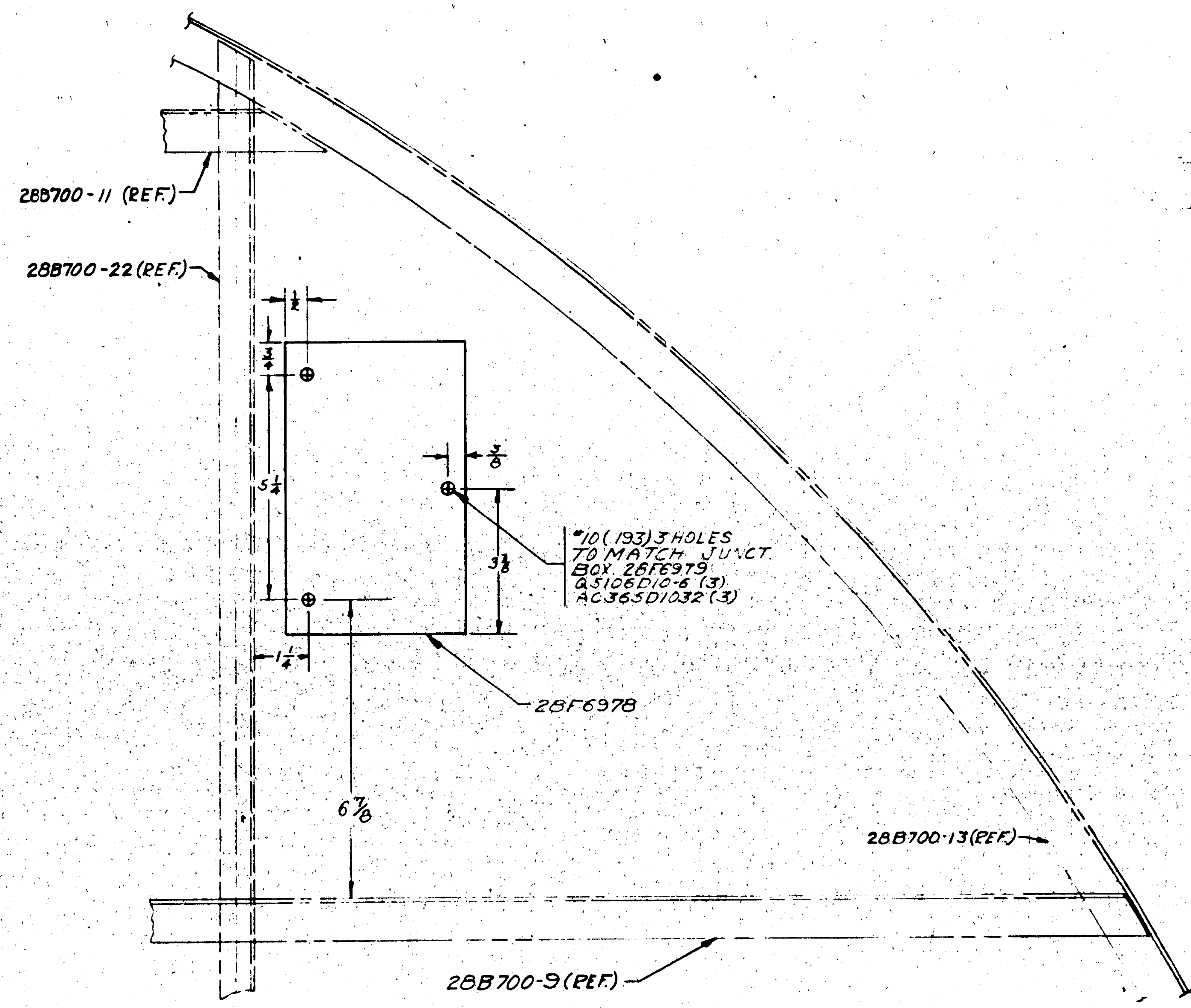
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F6974



VIEW LOOKING OUTB'D

FWD



VIEW LOOKING F'WD. AT BLK'D 7.0

OUTB'D

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
Q5106D10-6				3				
AC365D1032				3				
28F6979	JUNCTION BOX			1				

PARTS LIST PER ASSY.

MODEL	NEXT ASSY.	REQ.
PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACED — CALC. WT. .74

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

A.C. —— NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT GEN-DEPS 10/15/40 — CHECK — STRUCT — MAT — APPROV — ENG.

NAME INSTALL-FURNS-REC'P. TO CONTROL UNIT-JUNCT. BOX

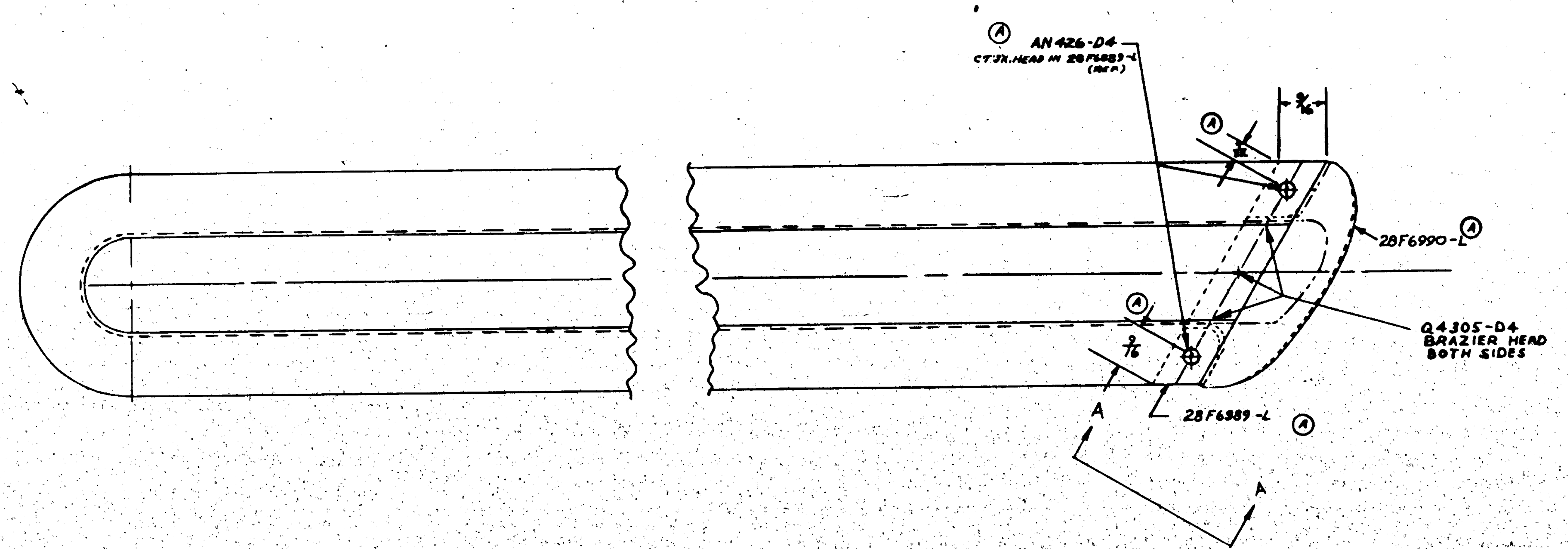
OPP. HAND NONE

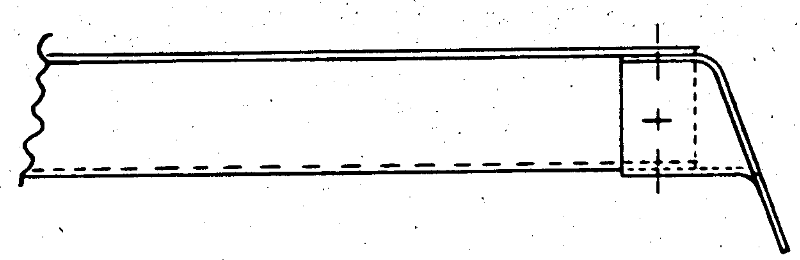
DWG. SIZE G — 28F6980

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

CHG # 138 (4)

LET	ALTERATION	DATE	BY
A	REMOVED NOTE ... [illegible] ... TO MATCH 28F6989, ADDED TO REF. DIMS. [illegible] & CALLED OUT 28F6989-L & 28F6990-L & [illegible] AN426-D4. WT. [illegible]	[illegible]	[illegible]





VIEW A-A

MC#151-2

ASSY DASH No.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A	28F6991	1
-R	PBY-5	28F6991	1
-L	PBY-5A	28F6991	1
-L	PBY-5	28F6991	1

REQUIREMENTS PER AIRPLANE

REPLACES — .31 CALC. WT.

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN426-D4								
Q4305-D4								
28F6990-L				1				
28F6990-R				1				
28F6989-L				1				
28F6989-R				1				

PARTS LIST PER ASSY.

A C — NAVY: NONE — HEAT TREAT

Z-P-6P — FINISH

DRAFT: W. MITCHELL — CHECK — STRUCT. — MAT. — APPROV. — ENG.

OPP. HAND — R

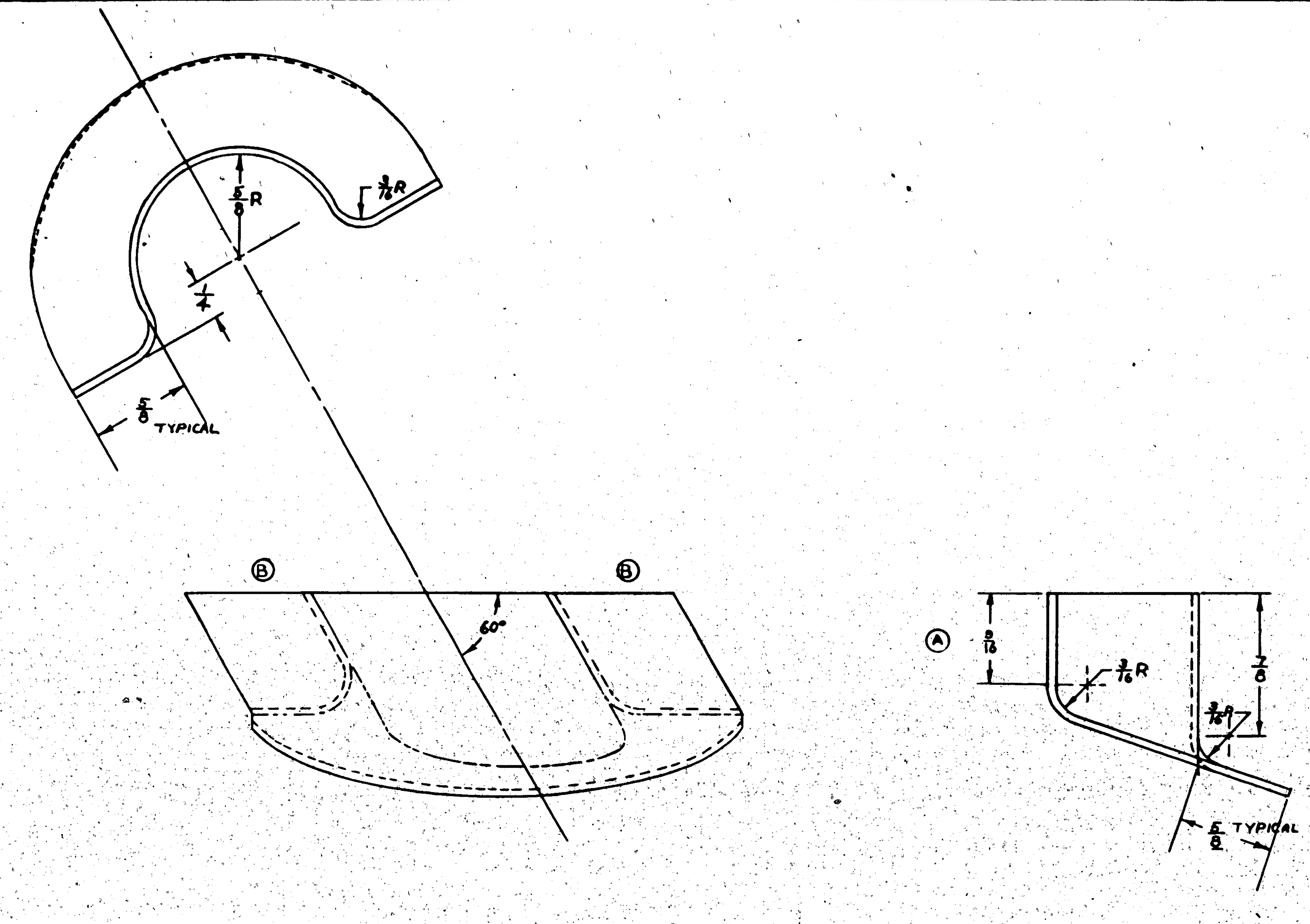
NAME: ASS'Y · FURN - RADAR CABLE GUARD CHANNEL

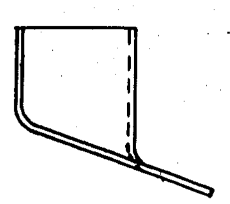
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE: G — 28F6988

R

LET	ALTERATION	DATE	BY
A	REM'D 1 3/16 DIM & ADDED 9/16 DIM. NO WT. CHG.	[illegible]	[illegible]
B	REMOVED FROM DWG 2 Ø 10 HOLES & DIMS. WT. CHG NEG	[illegible]	[illegible]





ACTUAL SIZE

MCR151-2

	ASSY DASH No.	MODEL	NEXT ASSY	REQ.
C13598-3466 ON	-R	PBY-5A	28F6988	1
	-R	PBY-5	28F6988	1
C13888-3466 ON	-L	PBY-5A	28F6988	1
	-L	PBY-5	28F6988	1

REQUIREMENTS PER AIRPLANE

REPLACES	.03 CALC WT
REPLACED BY	ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 | SCALE: 24" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0 (LH / RH)	REQ. -2 (LH / RH)	REQ. -3 (LH / RH)	REQ. -4 (LH / RH)	REQ. -5 (LH / RH)
■	.040 X 3¼ X 3½	ALC. 24ST	4708 CONST					

PARTS LIST PER ASSY.

A C			
NAVY	ZP - GP		
HEAT TREAT	FINISH		

DRAFT: 11-18 | CHECK | STRUCT | MAT | APPROV | ENG

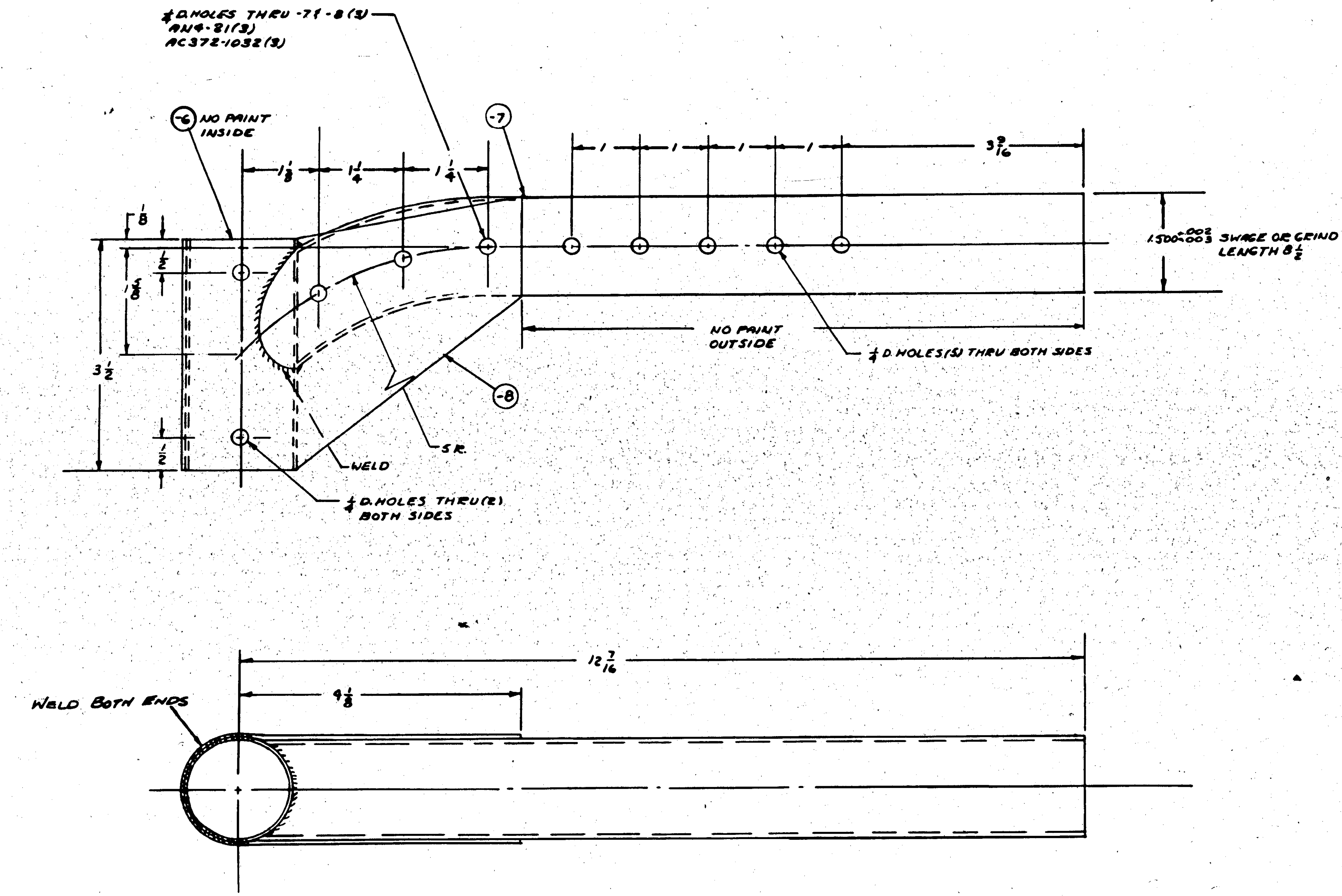
NAME: COLLAR-FURNS-RADAR CABLE-GUARD CHANNEL

OPP. HAND 28F6990-R

DWG. SIZE: G | 28F6990

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



NOTE:
FINISH C-P-GP INSIDE & OUT EXCEPT AS NOTED. CLEAN INSIDE OF -6 AFTER WELDING.

CAC CH 4/26 ✓

HEAT TREAT:
NORMALIZE AFTER WELDING.

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN4-21A				3
AC372-1032				3
-8	.072X4½X11½	SAE X4130	AN-QQ-S-685	1
-7	1.500X.083X12½	[illegible]	[illegible]	1
-6	1.500X.058X1⅞	[illegible]	[illegible]	1

PARTS LIST PER ASSY.

MODEL	NEXT ASSY.	NO.
PBY-5	28F6993	1

REQUIREMENTS FOR AIRPLANE

TOL. ± 1/32 — SCALE 12"=1'0"

NAVY: NOTED (HEAT TREAT) — NOTED (FINISH) — DRAFT 4/13-42

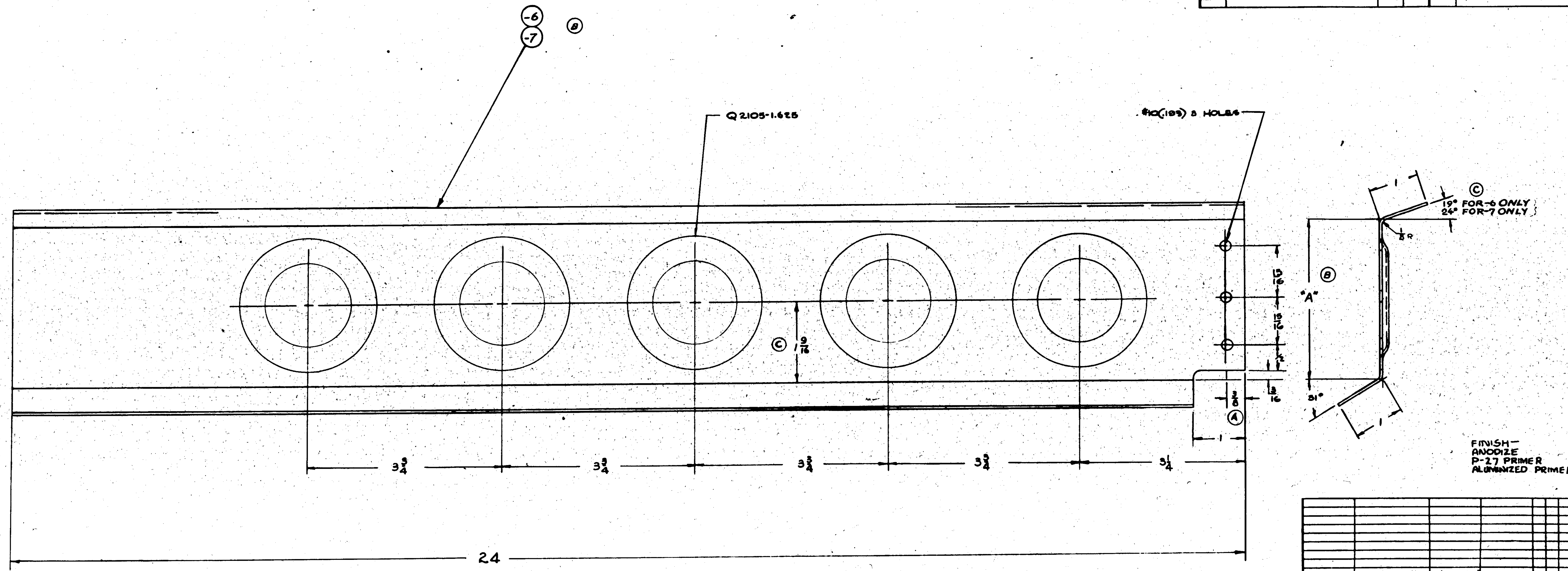
NAME: LEG ASSY - FURNS - BOMBER'S ADJ. SEAT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F6996

R

LET	ALTERATION	DATE	BY
A	ADDED 1/2 DIM [illegible]		
B	[illegible] -6 TO [illegible] -7. -6 MATERIAL 24 [illegible] WAS [illegible] BLOCK [illegible] DIM. "A" WAS 3[illegible]		
	WT. 7-.[illegible]		
C	ADDED 24° DIM & NOTES "FOR -6 ONLY" & "FOR -7 ONLY" ADDED 1 9/16 DIM & IN DIM BLK 4 3/4 WAS 4 1/2 NO WT [illegible]		



FINISH—
ANODIZE
P-27 PRIMER
ALUMINIZED PRIMER

		"A"
-6	PBY-5B	3 1/2
-7	PBY-5	4 3/4

C B

C.91876-30 & ON
C.88477 #1 TO 150

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-7	PBY-5	28F7070	1
-6	PBY-5B	28F7070	1

REQUIREMENTS PER AIRPLANE

REPLACES — -7 = .82 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
-7	.051X24X6 3/4	ALC. 24ST	47A8-T	1				
28F7071 -6	.051x24x5 1/2	ALC. 24ST	47A8-T					

PARTS LIST PER ASSY.

A C — NAVY ~~[illegible]~~ NONE — HEAT TREAT
Z-P-AP — FINISH

DRAFT 11-21-41 | CHECK | STRUCT. CDG | MAT. | APPROV. | ENG.

OPP. HAND NONE

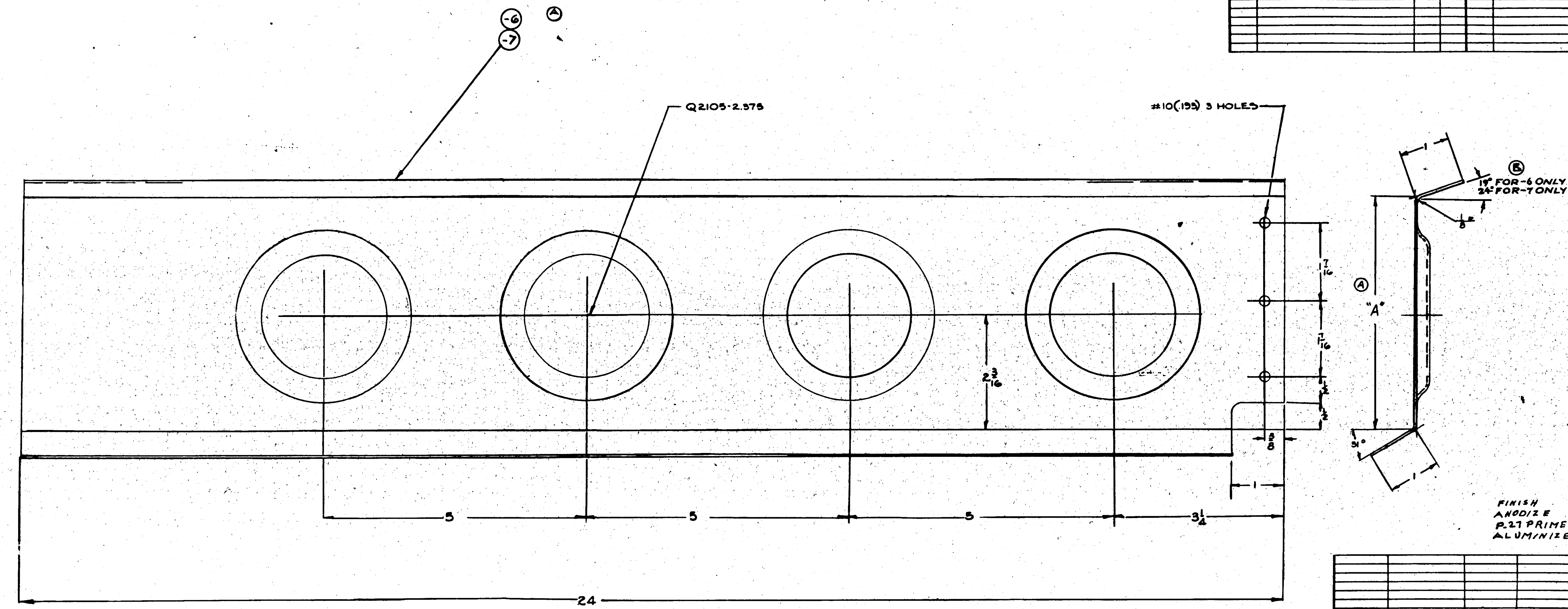
NAME SUPPORT - FURNS - CO-PILOT INDICATOR-OUTDTRAY

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F7071

R

LET	ALTERATION	DATE	BY
A	ASSIGNED -6 TO PART & ADDED -7, ADDED DIM "A" WAS 4 3/16. WT. -7=.31	[illegible]	[illegible]
B	IN DIM. BLK FOR -7 (5 1/16 WAS 5 9/16) & ADDED 19° & 24° DIMS. NO WT CHG	[illegible]	[illegible]



FINISH
ANODIZE
P.27 PRIMER
ALUMINIZED PRIMER

-6	PBY-5B	4 7/16
-7	PBY-5	5 1/16 Ⓑ
		"A"

Ⓐ

C91876 #90 ON
C86477 #1-150

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
7	PBY-5	28F7070	1
6	PBY-5B	28F7070	1

REQUIREMENTS PER AIRPLANE

REPLACES — -7=.31 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ.
-7	.051 x 24 x 7 1/2	ALC	24ST 4748-T	1
-6	.051-20-6 1/4	ALC	24SO A7AB-A	1

PARTS LIST PER ASSY.

REQ. -0 -2 -3 -4 -5

A6		11-5-41	[illegible]	[illegible]	CDG	[illegible]	[illegible]
NAVY 92-53	Z-P-AP	[illegible]	11-28-41		12-27-41	2-18-41	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

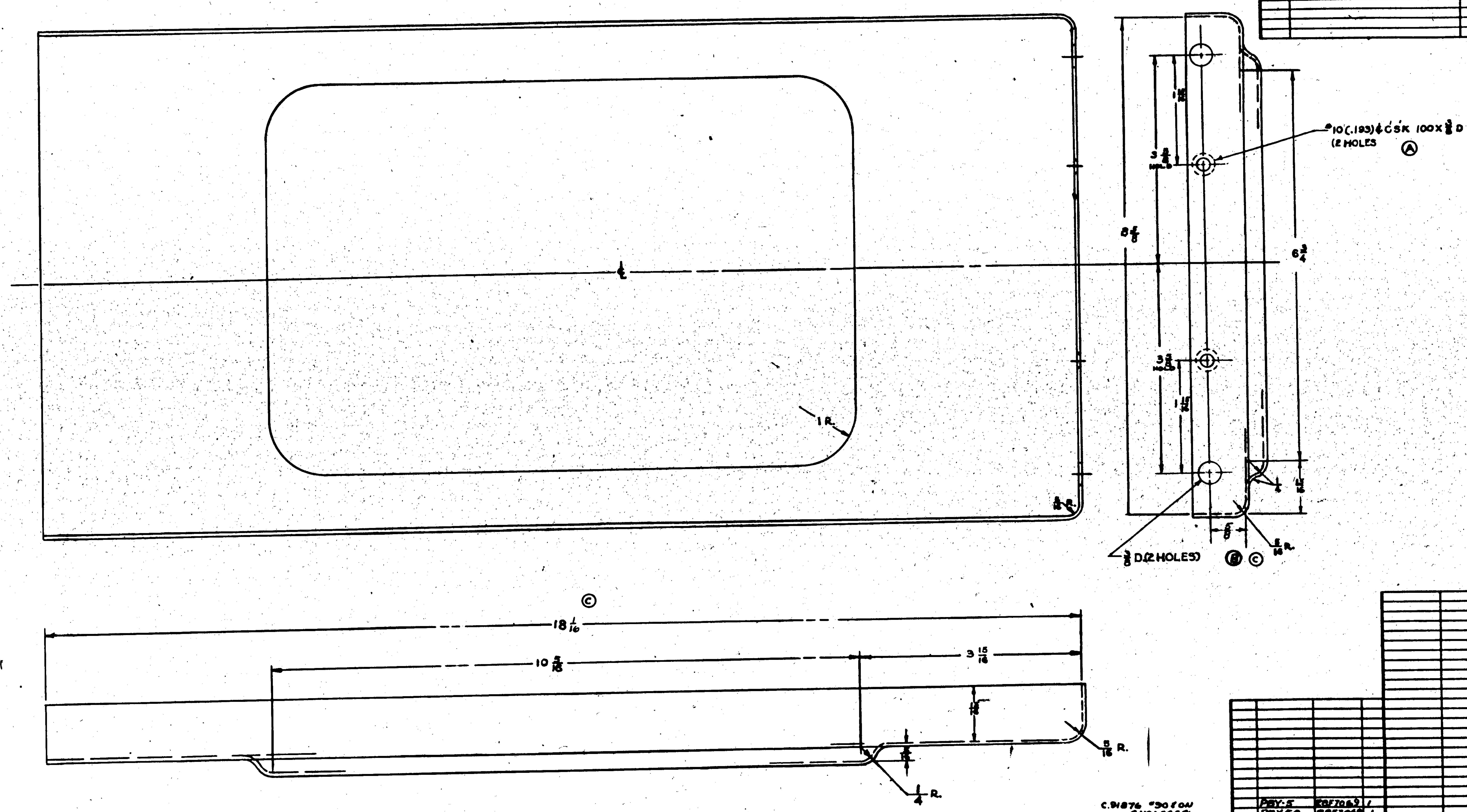
OPP. HAND NONE

NAME SUPPORT - FURN'S - CO-PILOT INDICATOR INBD TRAY

DWG. SIZE G — 28F 7072

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



FINISH
ANODIZE
P-27 PRIMER
GREEN PRIME

C.91876 #90 ON
C.N0L5464
C.88476 (6 SHIPS)
C.88477 #1 TO 150

LET	ALTERATION	DATE	BY
A	[illegible] (NO WT. CHG.)	6-8-42	[illegible]LEY
B	[illegible] (NO WT. CHG.)	[illegible]	[illegible]LEY
C	CHGD DIMS. [illegible] 18 1/16. CHGD FINISH FROM Z-P-6P TO Z-P-6P W.T. CHANGE.	5-6-43	[illegible]

MODEL	NEXT ASSY.	NO.
PBY-5	28F7069	1
PBY-5A	28F7068	1
PBY-5A	[illegible]	1
PBY-5B	28F7068	1

REQUIREMENTS FOR AIRPLANE

REPLACES — .64# CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
	.051 × 11 × 18 3/4	ALC 2430	47A8-A	1

PARTS LIST PER ASSY.

A C
NAVY SR-53 — HEAT TREAT
Z-P6-P — FINISH
DRAFT / CHECK / STRUCT / MAT / APPROV / ENG — 11-4-41 C.D.G.

OPP. HAND NONE

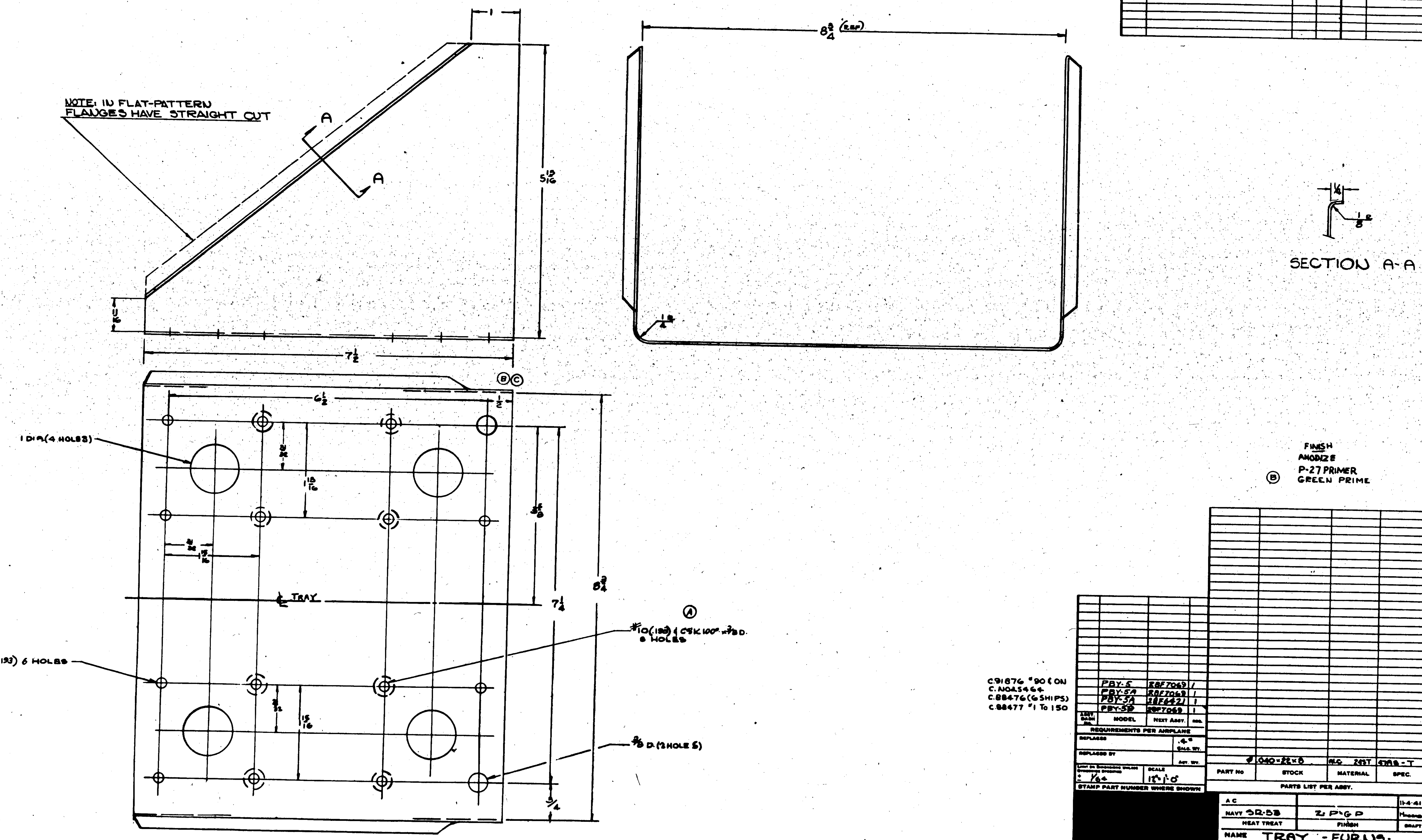
NAME TRAY - FURN'S CO-PILOT INDICATOR

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F7073

R 28F7073

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	"CSK 100° x 3/8 D" WAS "CSK 82° x 3/8 D" WT. CHG NEG	[illegible]	EMG
				B	CHGD DIM 1/2 To 5/8 CHGD FINISH FROM Z-P-AP To Z-P-GP. NO WT. CH.	[illegible]	[illegible]
				C	ON FACE CHANGED 5/8 DIM. TO 1/2 CR#25100 NO WT. CHG	7-6-[illegible]	[illegible]



FINISH
ANODIZE
P-27 PRIMER
Ⓑ GREEN PRIME

C.91876 #90 & ON
C.NO25464
C.88476 (6 SHIPS)
C.88477 #1 To 150

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F7069	1
	PBY-5A	28F7069	1
	PBY-5A	28F6421	1
	PBY-5B	28F7069	1

REQUIREMENTS PER AIRPLANE

REPLACES	.4# CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH RH REQ. -0	LH RH REQ. -2	LH RH REQ. -3	LH RH REQ. -4	LH RH REQ. -5
	.040 × 22 × 8	ALC. 24ST	47A9-T	1				

PARTS LIST PER ASSY.

A C		11-4-41	[illegible]	[illegible]	CDG	[illegible]	[illegible]
NAVY SR-5B	Z-P-G P	[illegible]	11-28-41 [illegible]	11-4	12-29-41	[illegible]	[illegible]
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

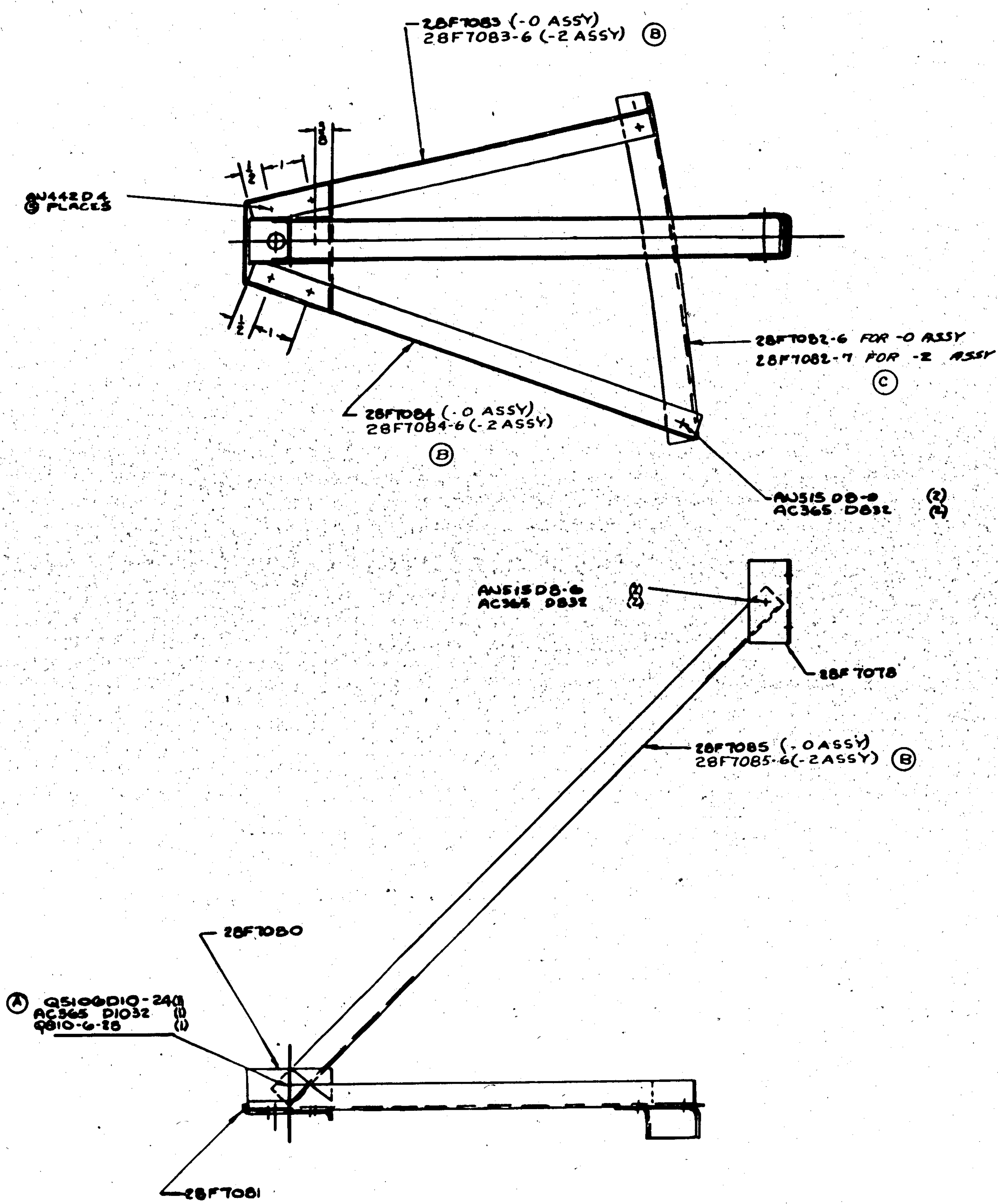
NAME TRAY - FURNS - CO-PILOT IND. SUPPORT

OPP. HAND DONE

DWG. SIZE G 28F7077

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R28F7077



LET	ALTERATION	DATE	BY
A	CHANGE IN VERSION NO. OF DWG. Q5106D10-24 TO Q5106D10-24. REMOVE ... ADD TO ... Q810-6-28	[illegible]	
B	CREATED -2 ASSY & ADDED PBY-5 REQTS. WT. CHG. NEG.	1-26-43	MOE
C	ON FACE & IN ... REMOVED 28F7082 & ADDED 28F7082-6 FOR -0 ASSY & 28F7082-7 FOR -2 ASSY. NO WT. CHG.	[illegible]	

C#91876 #90 ON
C#88476 #1-150

ASSY. DASH NO.	MODEL	NEXT ASSY	REQ.
-2	PBY-5	28F7068	1
-0	PBY-5B	28F7068	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
28F7082-7					1			
AN515D8-8				2	2			
Q5106D10-24				1	1			
Q810-6-28				1	1			
AN515D8-6				2	2			
AC365D1032				1	1			
AC365D832				4	4			
AN442D4								
28F7085-6					1			
28F7084-6					1			
28F7083-6					1			
28F7085				1				
28F7084				1				
28F7083				1				
28F7082-6				1				
28F7081				1	1			
28F7080				1	1			
28F7078				1	1			

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT.	...	...
NAVY —	—			CDG			
HEAT TREAT	FINISH				12-29-41		

OPP. HAND NONE

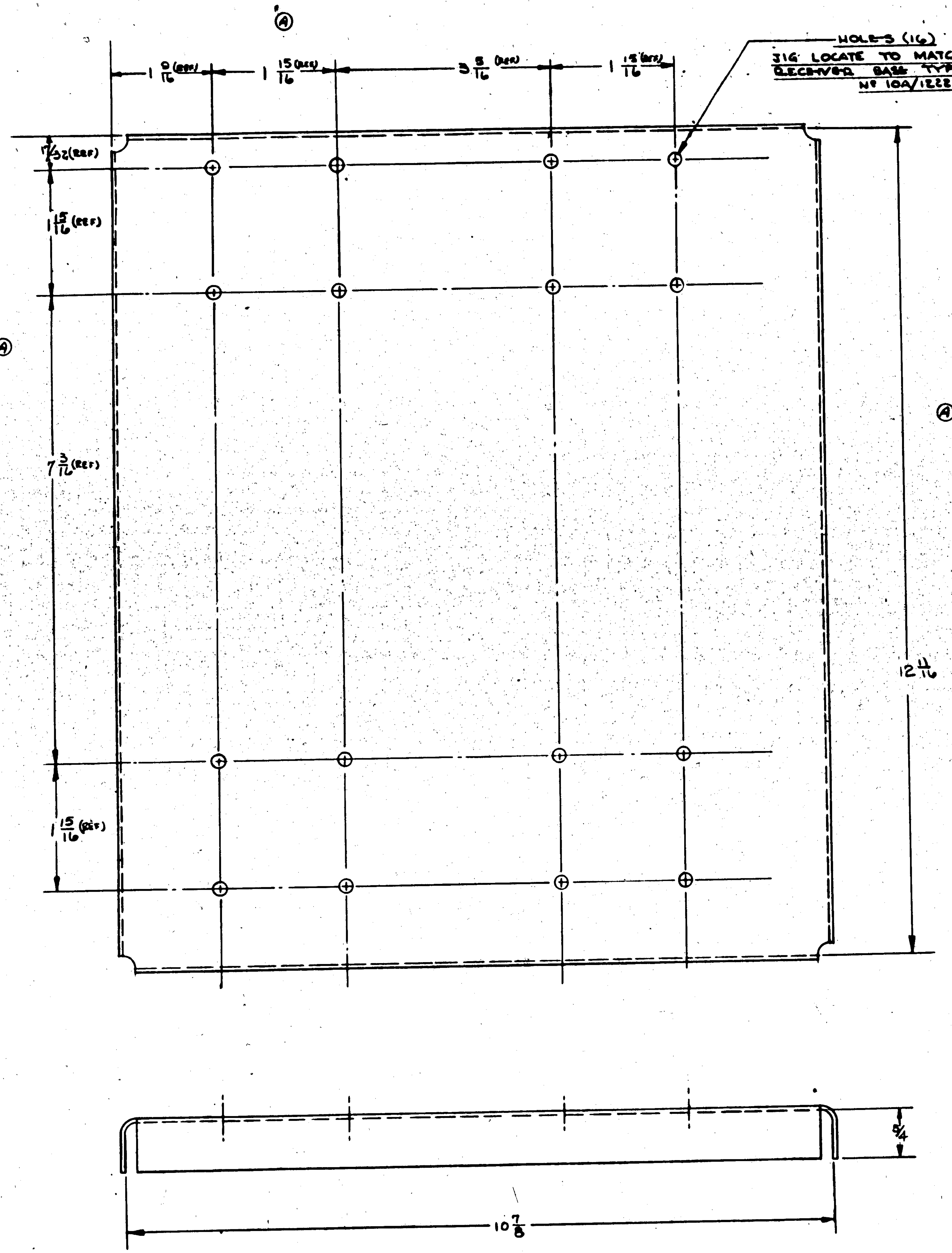
NAME TRIPOD ASSY - FURUS CO-PILOT INDICATOR

DWG. SIZE G 28F7079

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	REMOVED RE110-X04 & 3/32 LOCATING DIMS. +.10 WT CHG	3-22	HUNT



NOTE:— ALL BEND & RELIEF RADII 3/16 UNLESS OTHERWISE NOTED

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACTS # 91876
33 SHIPS # 70486
77713
88496

SHIP PARTS FOR 70486 & 77713 TO NAVY FOR SERVICE INSTALLATION.

RUSH RELEASED 1/29/42

MODEL	NEXT ASSY	REQ.
PBY-5	28F708	1
PBY 5A	28F7128	1
PBY 5B	28F7128	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.
-0	.051 X 13 X 15	ALC 24 SO	47A8-A

PARTS LIST PER ASSY.

SCALE 12" = 1'-0" ± 1/32

STAMP PART NUMBER WHERE SHOWN

HEAT TREAT: NAVY SR-53

FINISH: Z-P-AP

OPP. HAND: NONE

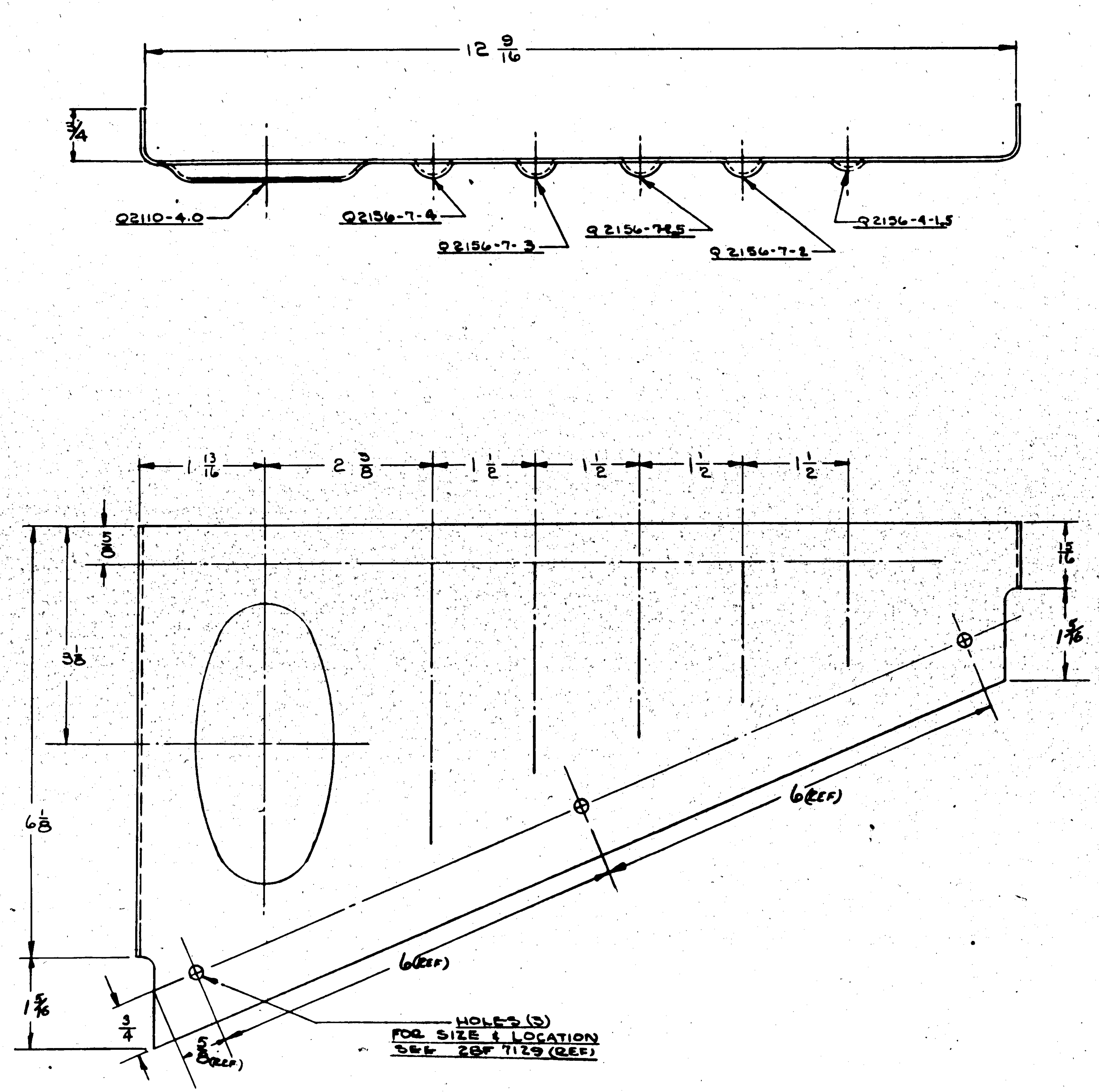
NAME: BASE - FURNS - R3003 RECEIVER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F7126

R

LET	ALTERATION	DATE	BY
A	RELEASE AFTER RUSH RELEASE	2-3-42	[illegible]
B	ON FACE OF DWG CHANGED 5/16 DIM TO 1 5/16 & 5/16 DIM. TO 3/4. Q2156-7-8, -7-6, -7-5, -7-4, & Q2156-4-3 CHANGED TO Q2156-7-4, -7-3, -7-2.5, -7-2 & Q2156-4-1.5	2-3-42	[illegible]



NOTE—
ALL BEND & RELIEF RADII 1/8
UNLESS OTHERWISE NOTED

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACT #91876

33 SHIPS CONTRACT #70496 #77713 #88476

SHIP PARTS ON 70496 & 77713 FOR SERVICE INST'N.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F7128	1
	PBY5A	28F7128	1
	PBY5B	28F7128	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.051 x 13 x 7 5/8	AL 24 SO	47AB-A

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

AC		
NAVY SR-53	Z-PAP	
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV / ENG.

12-9-41 — 1-6-42

NAME SUPPORT-FURNS- R5003 RECEIVER - AFT

OPP. HAND

DWG. SIZE G — 28F7127

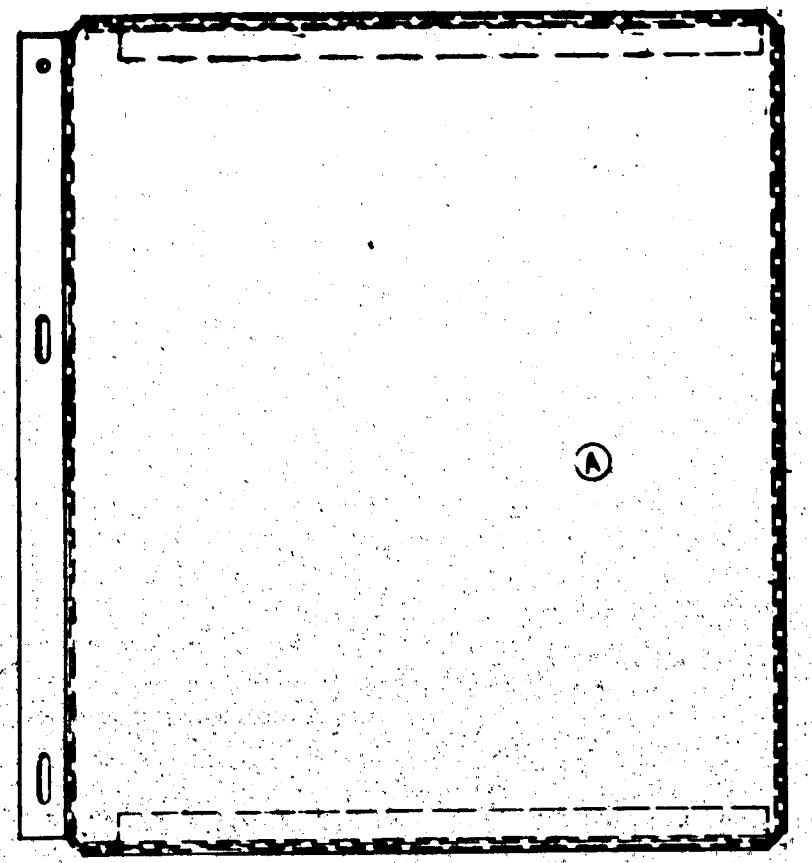
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

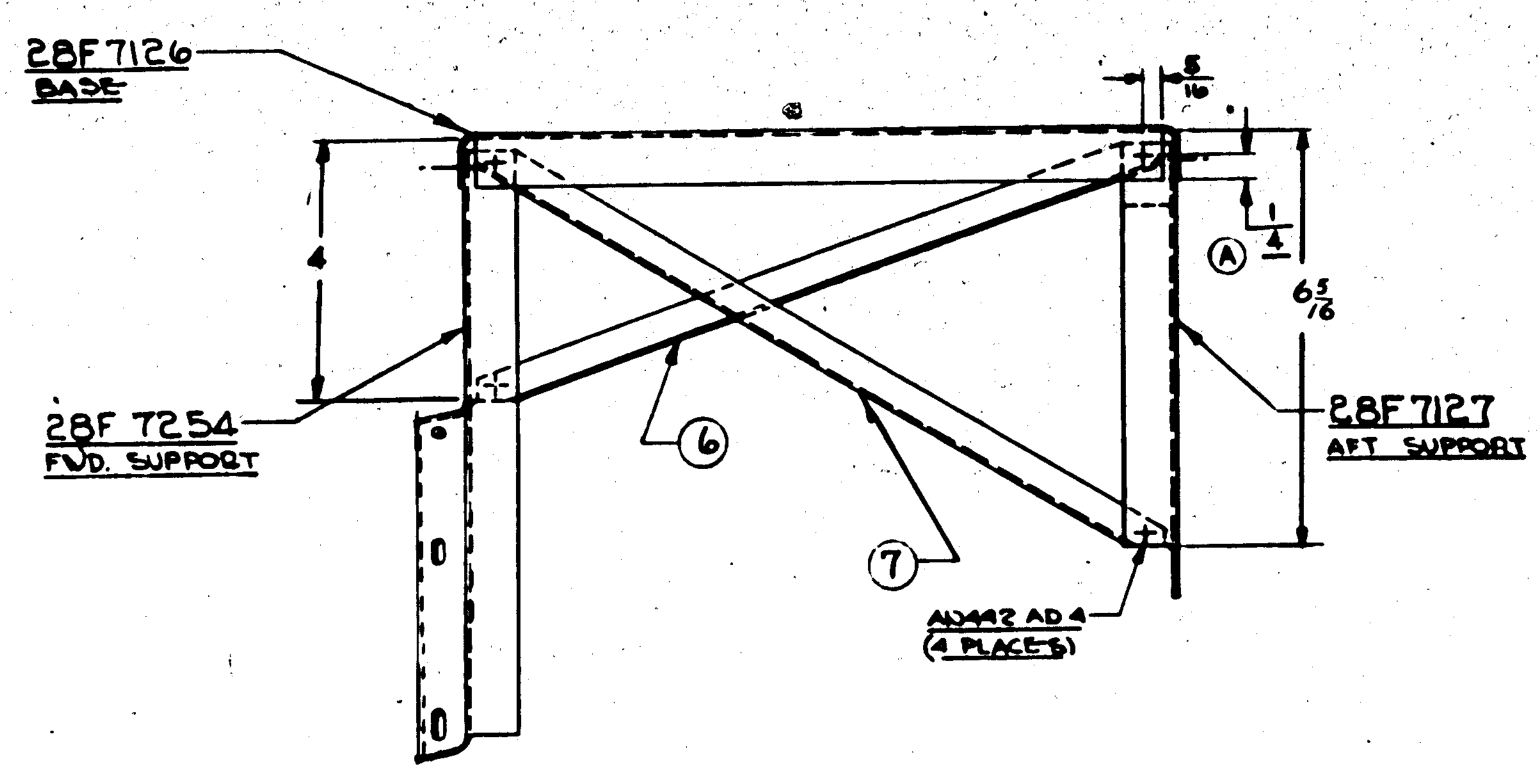
R

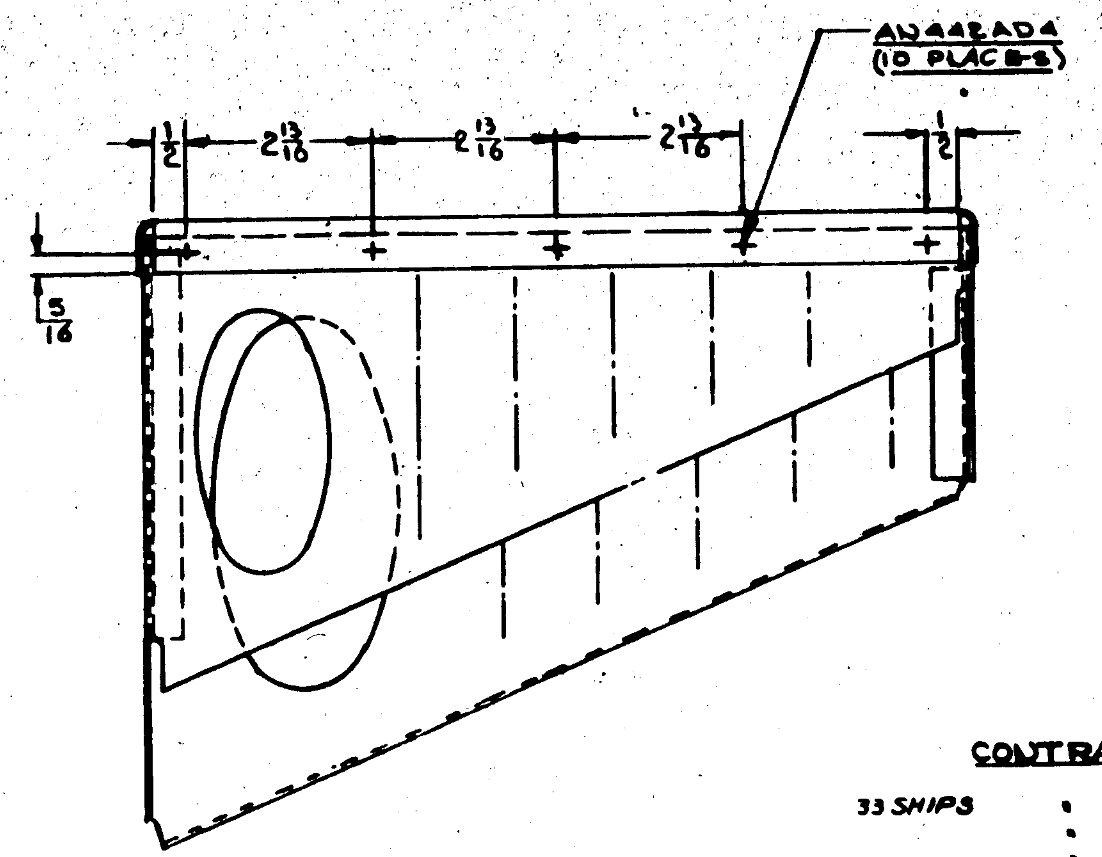
RUSH RELEASED 1/29/42

LET	ALTERATION	DATE	BY
A	DIM 1/2 WAS 1/4 & REMOVED PICTURE OF BEAD (U) 28F7126 WT. CHG. NEG.	4-3-42	[illegible]

EOA 34813







FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONTRACT #91876 #70496 #77713 #88476

33 SHIPS

NOTE: SHIP PARTS FOR 70496 AND 77713 FOR SERVICE INST'LN.

ASSY DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F7129	1
-0	PBY 5A	28F7129	1
-0	PBY 5B	28F7129	1

REQUIREMENTS FOR AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN442AD4				
28F7254				1
28F7127				1
28F7126				1
-7	K78P x 12 5/8	24ST	4649T	1
-6	K78P x 11 5/8	24ST	4649T	1

PARTS LIST PER ASSY.

A C

NAVY None

HEAT TREAT

FINISH -6 & -7 ONLY Z-P-AP

	RWS	GERBER		DAD	JCH	
12-2-41	12-3-41 FAULCONER	2-6-42			WOLD	
DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.	

OPP. HAND None

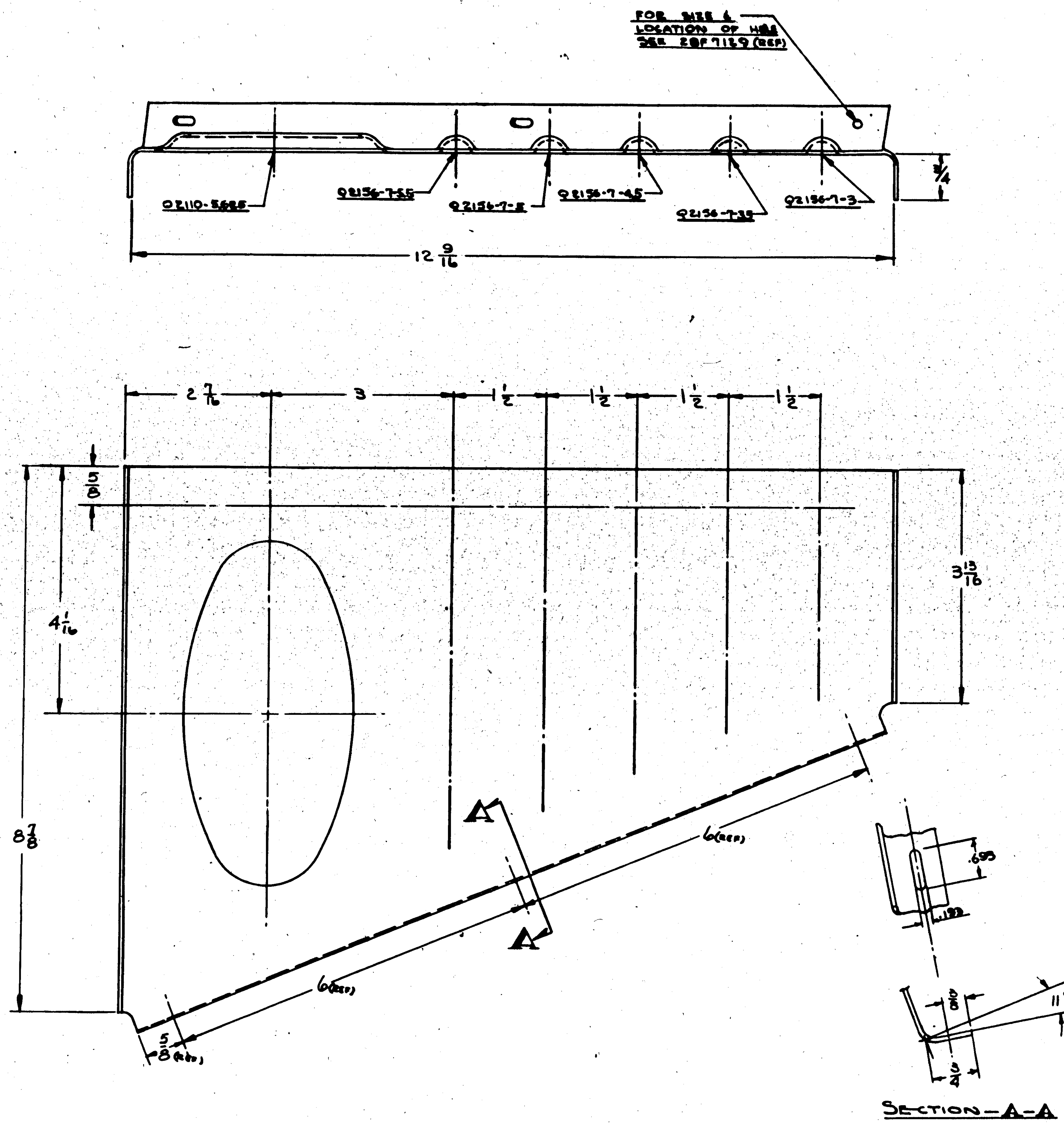
NAME ASSY-FURN'S-R3003 RECEIVER SUPPORT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

G 28F7128

R

RUSH RELEASED 1/29/42



NOTE — ALL BEND & RELIEF RADII 3/16 UNLESS OTHERWISE NOTED

CONTRT. # 91876

33SHIPS C# 70496, C# 77713, C# 80476 — FURNISH PARTS FOR NAVY INST.

MODEL	NEXT ASSY.	REQ.
PBY-5	28F7128	1
PBY5A	28F7128	1
PBY5B	28F7128	1

REQUIREMENTS FOR AIRPLANE

SCALE 12"=1'-0" — TOL. ± 1/32

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.051x12x10	ALC 24SO	47AB-A

PARTS LIST PER ASSY.

NAVY 3R-53 (HEAT TREAT) — Z-P-AP (FINISH)

NAME SUPPORT-FURNS-R 3003 RECEIVER-FWD

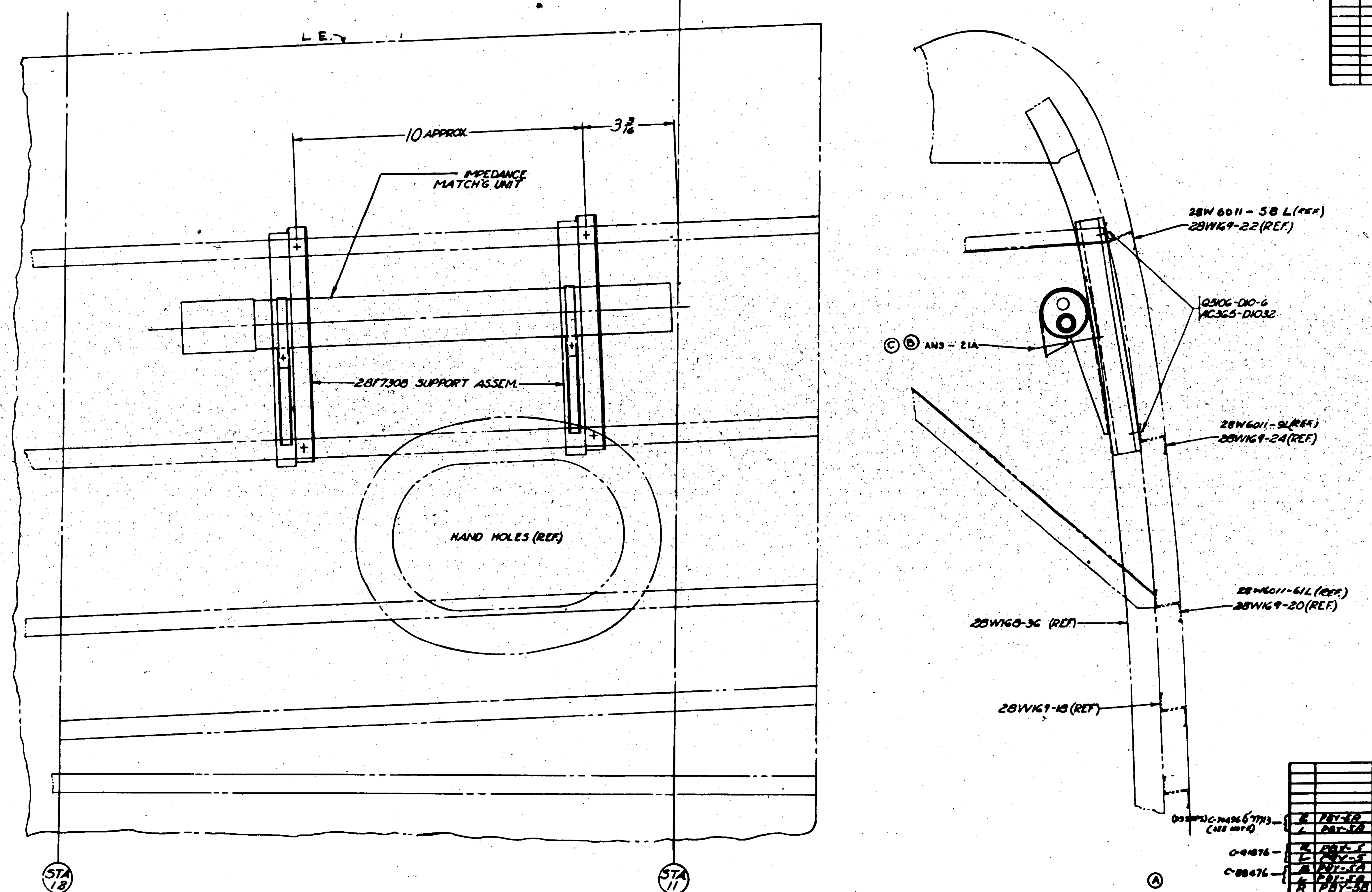
OPP. HAND NONE

DWG. G 28F7254

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

RUSH RELEASED 1/29/42

LET	ALTERATION	DATE	BY
A	IMPEDANCE MATCHING UNIT — --- ENG. RESEARCH CO. RIVER DALE MD. WAS "IMPED. MATCHING UNIT GOV'T FURNS. ON PBY-5 & 5A, CAC FURNS ON PBY-5B ONLY MAY BE PUR. FROM ENG RESEARCH CO. APPD NOTE" CONT. INSTALLED --- INSTALLATION" NO WT. CHG	[illegible]	[illegible]
B	REPLACED Q5106-D10-20 (2) WITH AN3DD21A (2); CHANGED REQM'TS FOR AC365-D1032 FROM (8) TO (4). NEG. WT. CHG	[illegible]	[illegible]
C	ON FACE & P/M CHANGED AN3DD21A TO AN3-21A NEG. WT. CHG.	[illegible]	[illegible]



PLAN VIEW L.H. WING
BOTTOM SURFACE

INBOARD

~NOTE~ Ⓐ
MODELS PBY-5 & PBY-5A
CONTRACTOR INSTALLED ON ALL AIRPLANES OF CONTRACTS #88476 & 91876. ON CONTRACT #70696 (33 AIRPLANES) & #77713 PARTS ARE TO BE FURNISHED TO NAVY FOR SERVICE INSTALLATION

Ⓐ
* IMPEDANCE MATCHING UNIT-TYPE 80-CAC FURN. ON ALL CONTRACTS-MAY BE PURCHASED FROM ENGINEERING RESEARCH CO. RIVERDALE MD

Contract		Model	Next Assy.	No.
(33 SHIPS) C-70696 & 77713 (SEE NOTE)	R	PBY-5A	28W[illegible]	1
	L	PBY-5A	28W[illegible]	1
C-91876	R	PBY-5	28W6011	1
	L	PBY-5	28W6011	1
C-88476	R	PBY-5A	28W6011	1
	L	PBY-5A	28W6011	1
	R	PBY-5B	28W6011	1
	L	PBY-5B	28W6011	1

REQUIREMENTS FOR AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

:1/16 — SCALE 6" = 1'-0

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC	-0 LH	-0 RH
* IMPEDANCE MATCHING UNIT (TYPE 80)				1	1
Q5106-D10-6				2	2
AN3-21A				2	2
AC365-D1032				4	4
28F7308				2	2

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5

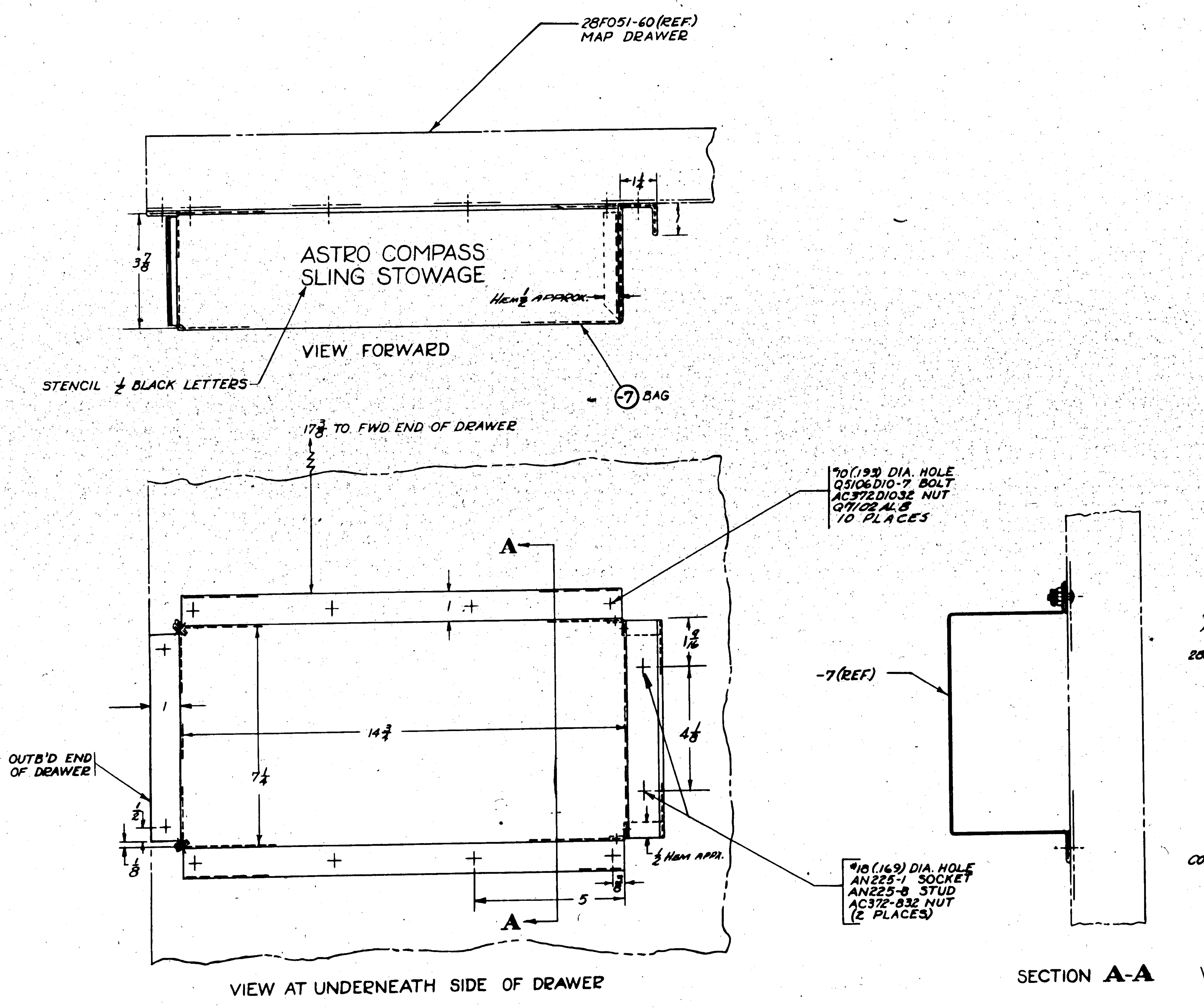
A C		SIMS	OTTO
NAVY NONE	NONE	1-8-41	1-12-41
HEAT TREAT	FINISH		

OPP. HAND 28F7309-R

NAME: INSTALL.-FURNS-MATCHING UNITS

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. G 28F7309



THREAD, STITCHING & SEAMS TO BE IN ACCORDANCE WITH FED. SPEC. DDD-S-751

28F7325 ASTRO COMPASS INSTALL (REF)

CONTRACT #31876 SUPPLY-SHELL

ASSY DASH No	MODEL	NEXT ASSY	REQ.
	PBY-5	28F7325-?	1

REQUIREMENTS PER AIRPLANE

REPLACES	.2# CALC. WT
REPLACED BY	ACT. WT.

SCALE 6" - 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2
AN225-1					2
-7	26 x 27	CAC# FAB 2	COMM.		1
-6	SUB-ASS'Y				
Q5106D10-7					10
Q7102-AL8					10
AC372D1032					10
AC372-832					2
AN225-8					2
-6	SUB ASS'Y				1

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NONE	1-31-42	1-31-42				
HEAT TREAT	FINISH						

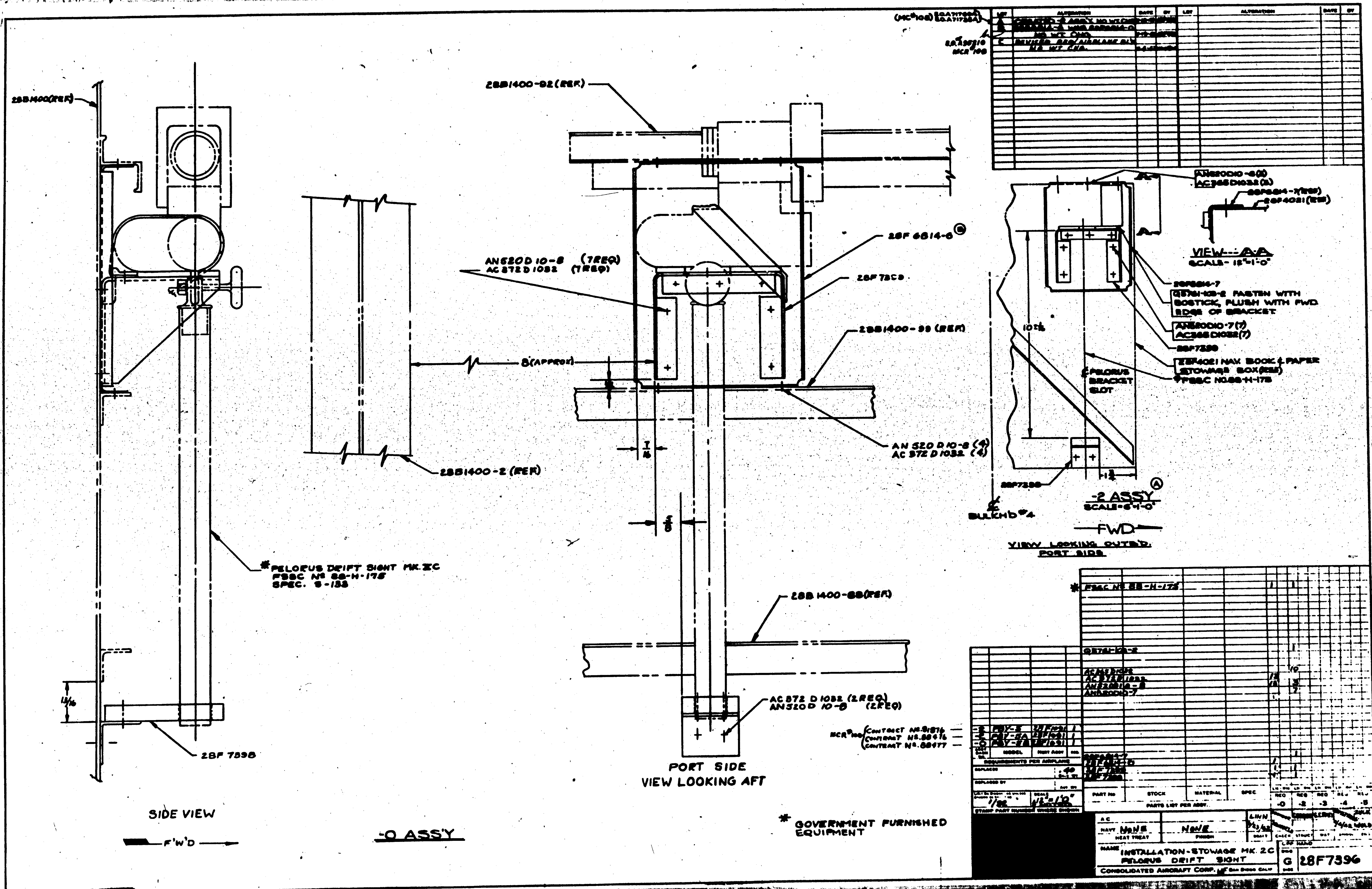
NAME STOWAGE - FURN - ASTRO COMPASS SLING

OPP. HAND

DWG SIZE G 28F7329

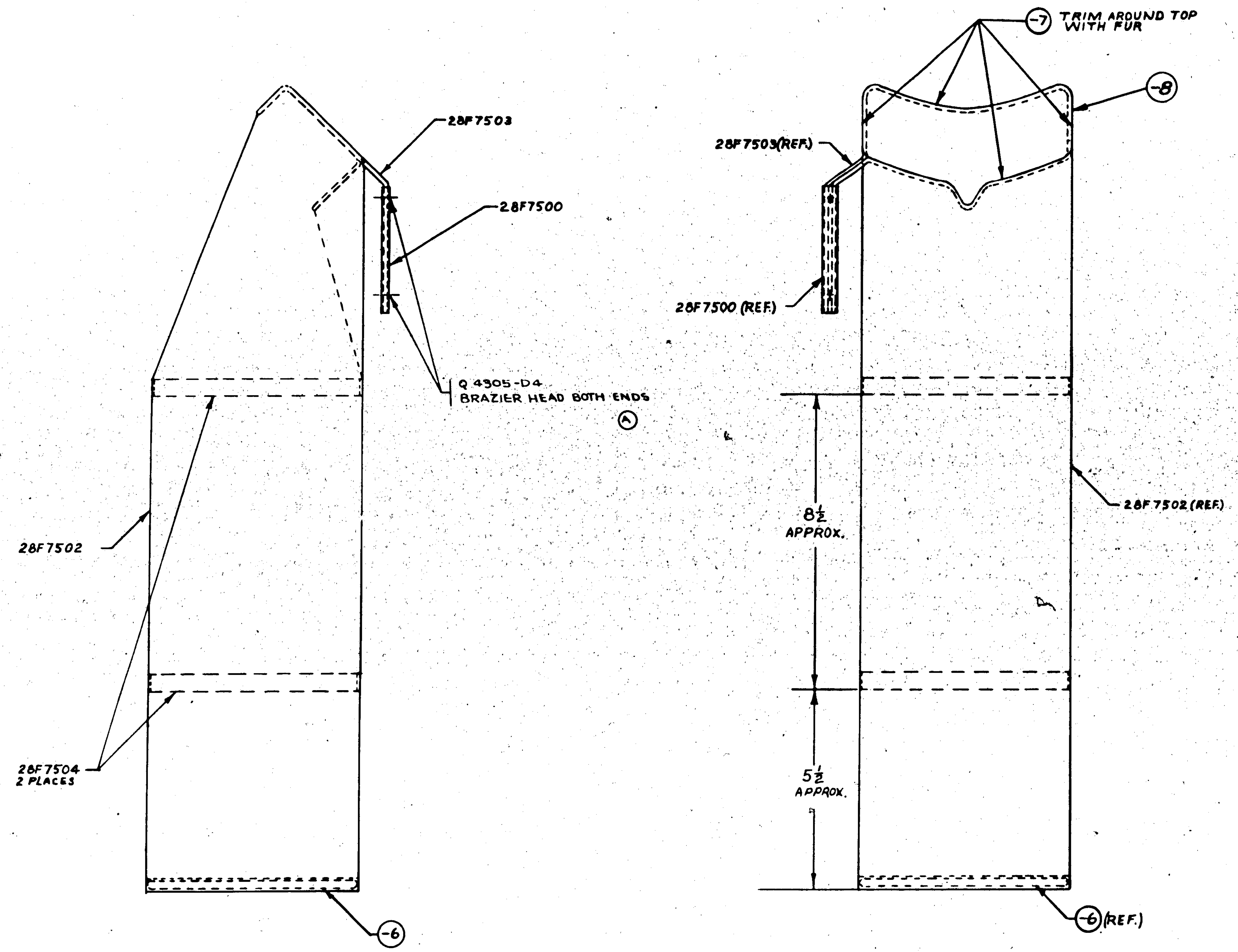
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



28B1400(REF)
28B1400-92 (REF)
AN520D10-8 (7 REQ)
AC 872 D 1032 (7 REQ)
28F 6814-6
28F 7308
28B1400-93 (REF)
8 (APPROX)
28B1400-2 (REF)
AN 520 D 10-8 (4)
AC 872 D 1032 (4)
*PELORUS DRIFT SIGHT MK. 2C
FSSC Nº 88-H-175
SPEC. S-133
28B 1400-88 (REF)
AC 872 D 1032 (2 REQ)
AN 520 D 10-8 (2 REQ)
28F 7398
PORT SIDE
VIEW LOOKING AFT
SIDE VIEW
F'W'D
-0 ASS'Y
* GOVERNMENT FURNISHED EQUIPMENT
VIEW - A-A
SCALE - 12"=1'-0"
-2 ASSY
SCALE - 6"=1'-0"
FWD
VIEW LOOKING OUTB'D. PORT SIDE
BULKH'D #4
PELORUS BRACKET SLOT
*FSSC NO. 88-H-175
*FSSC Nº 88-H-175
PARTS LIST PER ASSY.
INSTALLATION-STOWAGE MK. 2C
PELORUS DRIFT SIGHT
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
G 28F7396

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	Q4305-D4 WAS AN443-D2. ADDED NOTE: "BRAZIER HEAD BOTH ENDS." WT. CHG. NEG.		
				B	ADDED TO -8 & ADDED TO FACE OF DWG. NOTE "CVAC #FE 10 --- KAPOK" WT CHANGE		



NOTE:-
CAC # FUR-5 MAY BE PURCHASED FROM J. NOONAN FUR CO, SAN DIEGO, CALIF.
C.A.C. # CORD-4 MAY BE PURCHASED FROM AIR ASSOCIATES INC. GLENDALE CALIF. OR C.J. HENDRIE SAN DIEGO, CALIF.

(B) CVAC # FE 10 MAY BE PURCHASED FROM THE SEMAN PAPER CO. CHICAGO ILL. VENDORS NO. ⅛ FELT-KAPOK"

CAC CHG #156-3 C-1102(B)464 C-91876 #30 f on

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6002	2
	PBY-5	28F1002	2

REQUIREMENTS PER AIRPLANE

REPLACES — .57 CALC. WT.
REPLACED BY — ACT. WT.
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
Q4305-D4				
-8	CVAC # FE 10	2 X 20		1
-7	C.A.C. # FUR-5	2 X 20		1
-6	C.A.C. # CORD-4	X 18½		1
28F7503				1
28F7500				1
28F7504				2
28F7502				1

PARTS LIST PER ASSY.

A G
NAVY NONE — HEAT TREAT
NONE — FINISH
11-10-4? DRAFT: W. HITCHENS

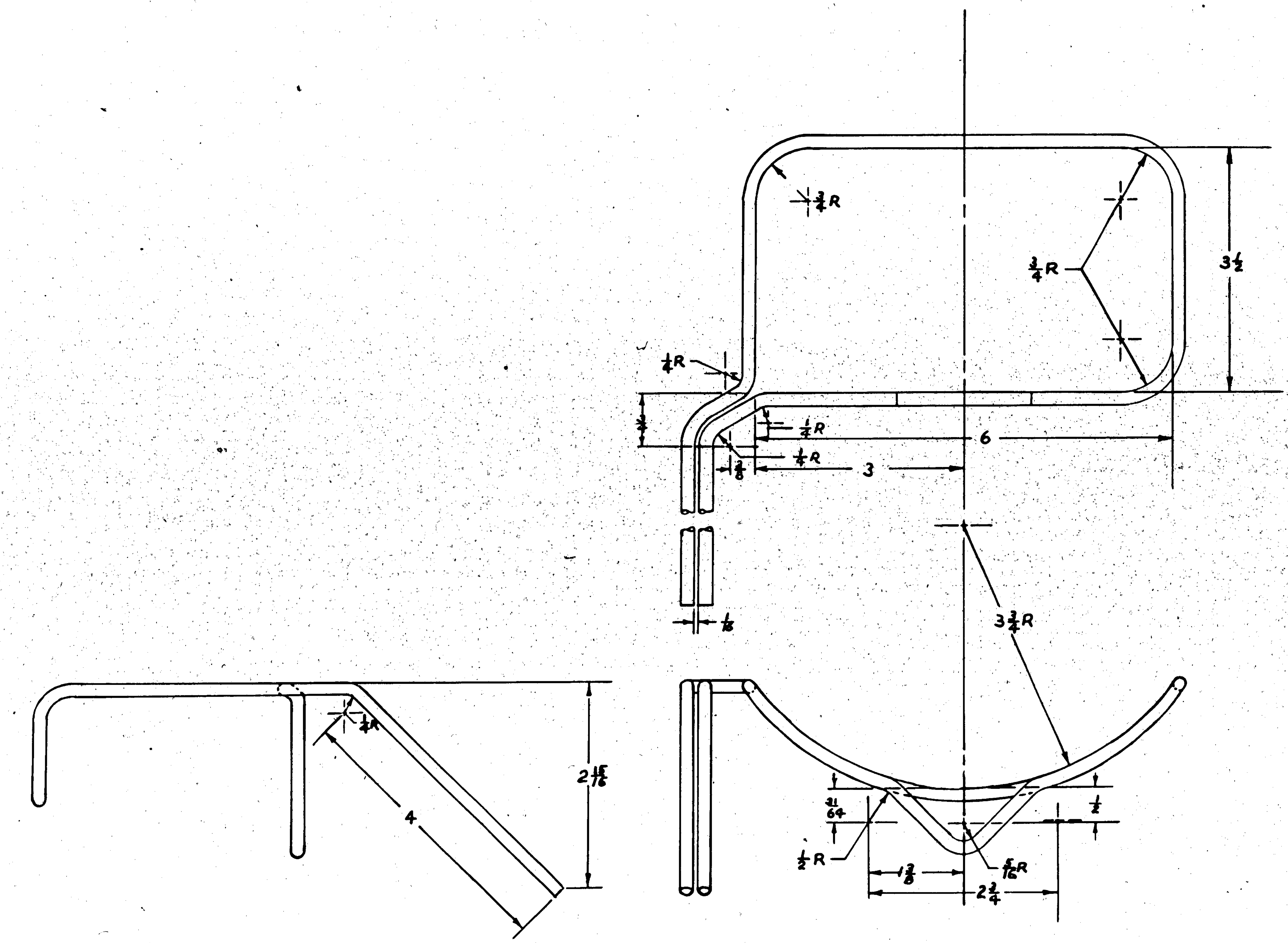
NAME ASS'Y-FURNS-ASV INDICATOR - VISOR

OPP. HAND NONE
DWG. SIZE G — 28F7501

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY



NOTE: FINISH GLOSS BLACK PER SPEC. AN-TT-L-51.

OAC: CHG. 156-3

ASSY DASH No	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F7501	1
	PBY-5	28F7501	1

REQUIREMENTS PER AIRPLANE

REPLACES — .05 CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
▬	3/16 O.D. ROD X 30	AL. AL24SO	46A7-COND.					

PARTS LIST PER ASSY.

A C

NAVY NONE — HEAT TREAT

ZP & NOTED — FINISH

DRAFT: 11-6-42 W. MITCHELL — CHECK: GARCIA — STRUCT — MAT — APPROV: 11-17-42 — ENG.

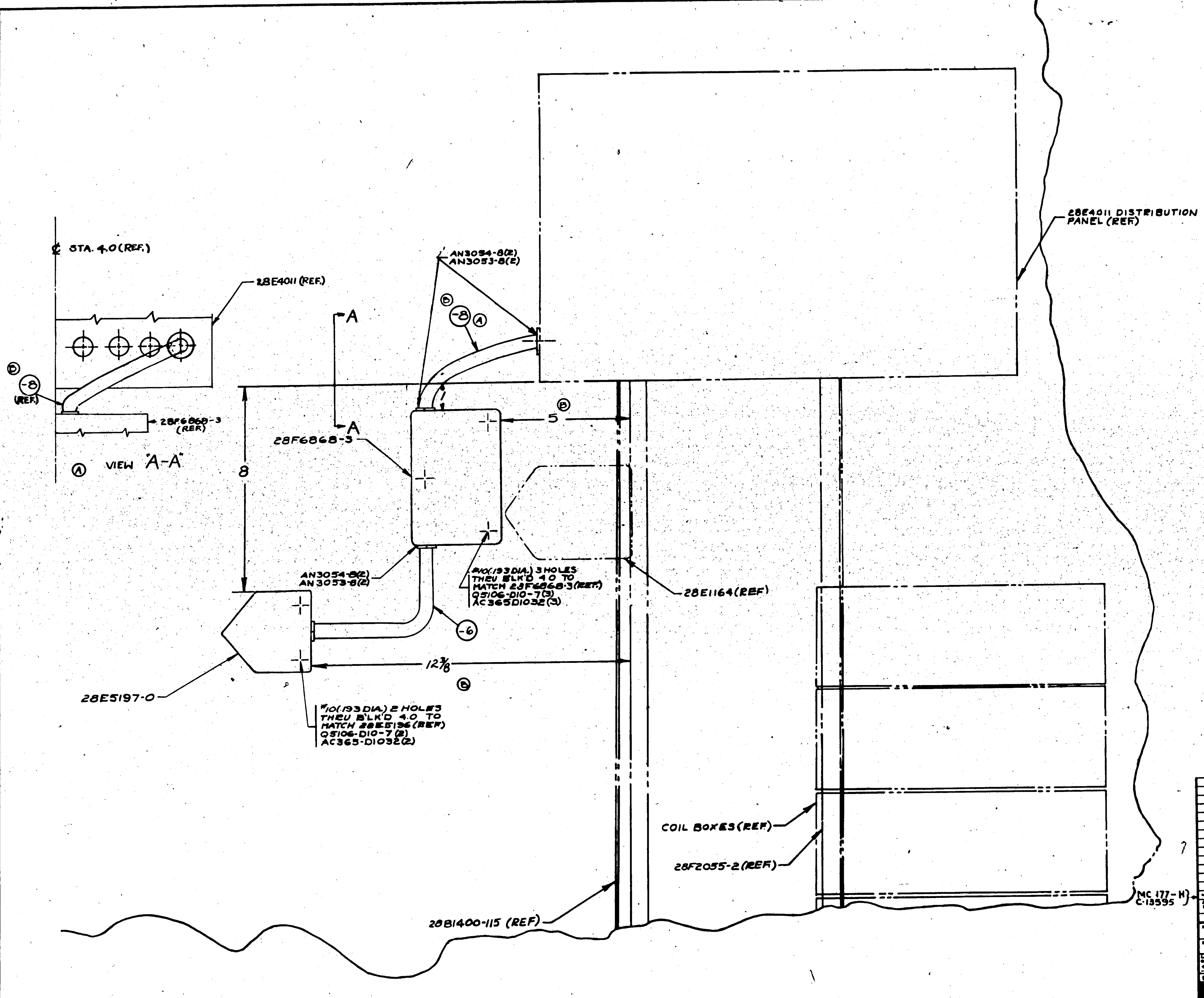
NAME HANDLE-FURNS-ASV INDICATOR VISOR

OPP. HAND NONE

DWG. SIZE G — 28F7503

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



VIEW LOOKING AFT ON ST'B'D SIDE OF B'LK'D 4.0

APPROVED FOR TOOLING BY
[signature] 12-19-42

LET	ALTERATION	DATE	BY
A	ADDED VIEW "A-A" TO FACE OF DWG. CHANGED LENGTH OF -7 FROM 16" TO 10" IN DIM & RE-ROUTED -7 ON FACE OF DWG. NEGL. WT. CHG.	6-15-42	[illegible]
B	DIMS. 5 & 12 3/8 WERE 6 & 13 3/8. -8 (1/2 O.D. X .028 X 9. AL. AL. TUBE 44T19 1/2 H) (1 REQ) WAS -7 (1/2 O.D. X .028 X 10. AL. AL. TUBE 44T19 1/2 H) (1 REQ). WT. CHG. NEG.	8-12-43	HARVEY

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN3053-8				4
AN3054-8				4
Q5106-D10-7				5
AC365-D1032				5
28E5197-0				1
28F6868-3				1
-8	1/2 O.D. X .028 X 9	AL. AL. TUBE	44T19 1/2 H	1
-6	1/2 O.D. X .028 X 12	AL. AL. TUBE	44T19 1/2 H	1

PARTS LIST PER ASSY.

ASSY DASH No.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5A	28E6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.458 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

A C — NAVY NONE — HEAT TREAT — NONE — FINISH

DRAFT — CHECK — STRUCT — MAT. — APPROV. — ENG.

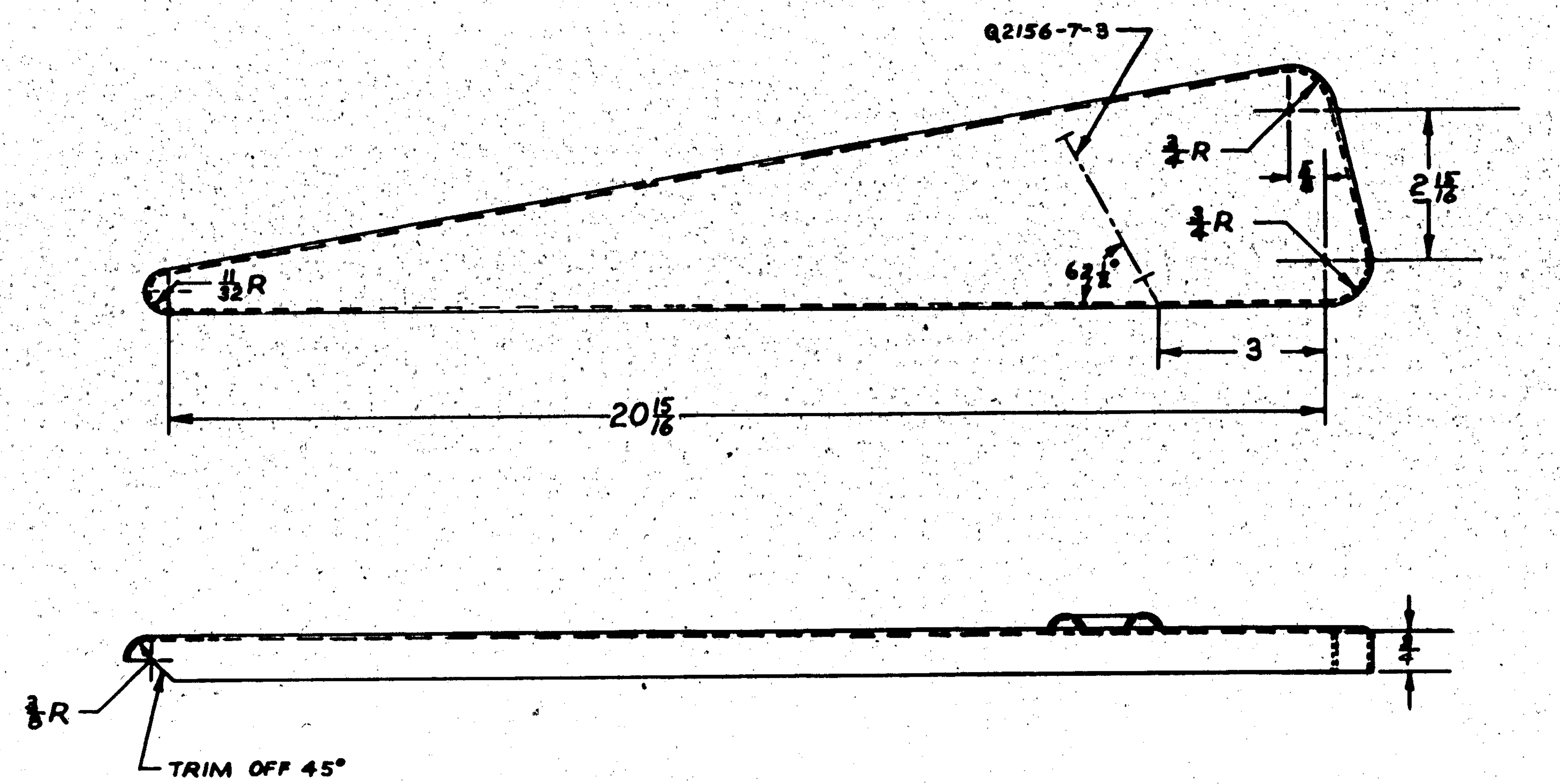
OPP. HAND —

NAME INSTALL-FURNS-ABD JUNCTION BOXES & CONDUIT

DWG. SIZE G — 28F7511

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F7511



M.C. 148-2

APPROVED FOR TOOLING BY

PART No	STOCK	MATERIAL	SPEC.
-0	.051 X 6 X 26	ALCLAD	4748-T

PARTS LIST PER ASSY.

MODEL	NEXT ASSY.	NO.
PBY-5A	28F7515	1

REQUIREMENTS PER AIRPLANE

CALC. WT. .32

SCALE 6" = 1'-0"

TOLERANCE ± 1/32

NAVY NONE

HEAT TREAT

FINISH Z-P-GP

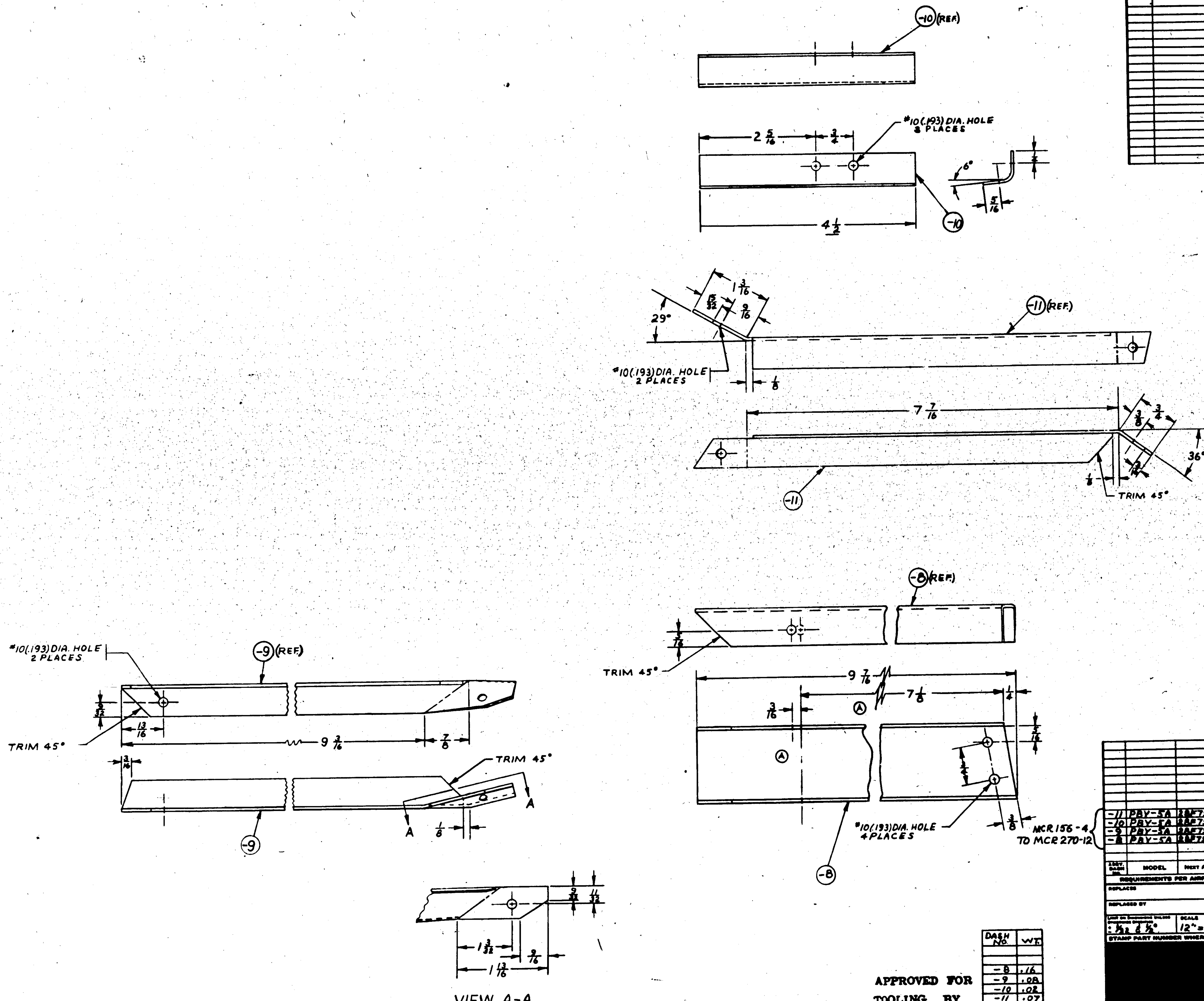
NAME SUPPORT-FURNS-ASV TRANSMITTER BASE-M'T'G

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND NONE

SIZE G DWG. 28F7513

R



LET	ALTERATION	DATE	BY
A	REMOVED FROM -8 1/4 DIA. HOLE, 3/4 & 3/16 LOCATING DIMS. 7 1/8 LOCATING DIM WAS 7 3/16, 3 1/16 WAS 1/8 WT. CHG. NEG.	7/21/43	[illegible]

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-11	PBY-5A	28F7520	1
-10	PBY-5A	28F7520	1
-9	PBY-5A	28F7520	1
-8	PBY-5A	28F7520	1

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.
-11	K13624 X 9 1/2	AL. AL. EXT.	46A9-T
-10	Y-2-A18 X 4 5/8	ALCLAD	47A8-T
-9	K13624 X 11 1/16	AL. AL. EXT.	46A9-T
-8	Y-10-A71 X 9 5/8	ALCLAD	47A8-T

PARTS LIST PER ASSY.

DASH No	WT.
-8	.16
-9	.08
-10	.02
-11	.07

APPROVED FOR TOOLING BY

P.B. Humphreys 1-14-43

REPLACES — NOTED CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & 1/2°

SCALE: 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

AC

NAVY: NONE — HEAT TREAT

Z-P-GP — FINISH

DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

OPP. HAND: NONE

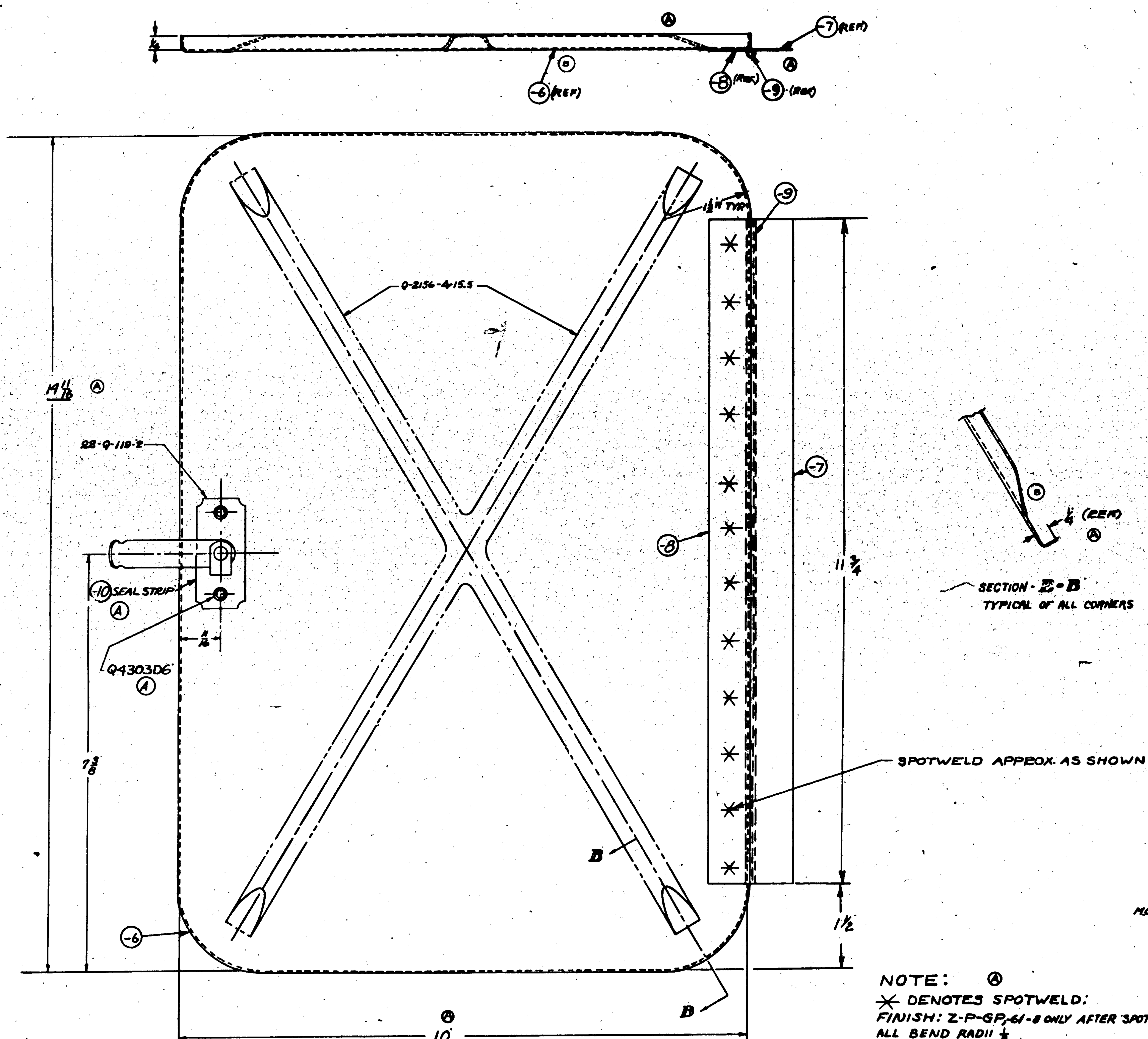
NAME: BRACE-FURNS-ASV INDICATOR-TRIPOD & BASE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SIZE: G — DWG. 28F7524

R

28F7524



NOTE: Ⓐ
⚹ DENOTES SPOTWELD.
FINISH: Z-P-GP-61-8 ONLY AFTER SPOTWELDING.
ALL BEND RADII 1/8

APPROVED FOR TOOLING BY
RB Humphreys 1-16-43

MCR152-A

LET	ALTERATION	DATE	BY
A	CHANGED [illegible] SECTION [illegible] ... CHANGED WT FROM .68 TO [illegible]		
B	CHANGED FORM BEAD TO SAME DIRECTION AS FLANGE NO WT. CHG		

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-10	PBY-5A	28F7554	1
	PBY-6A	[illegible]	1

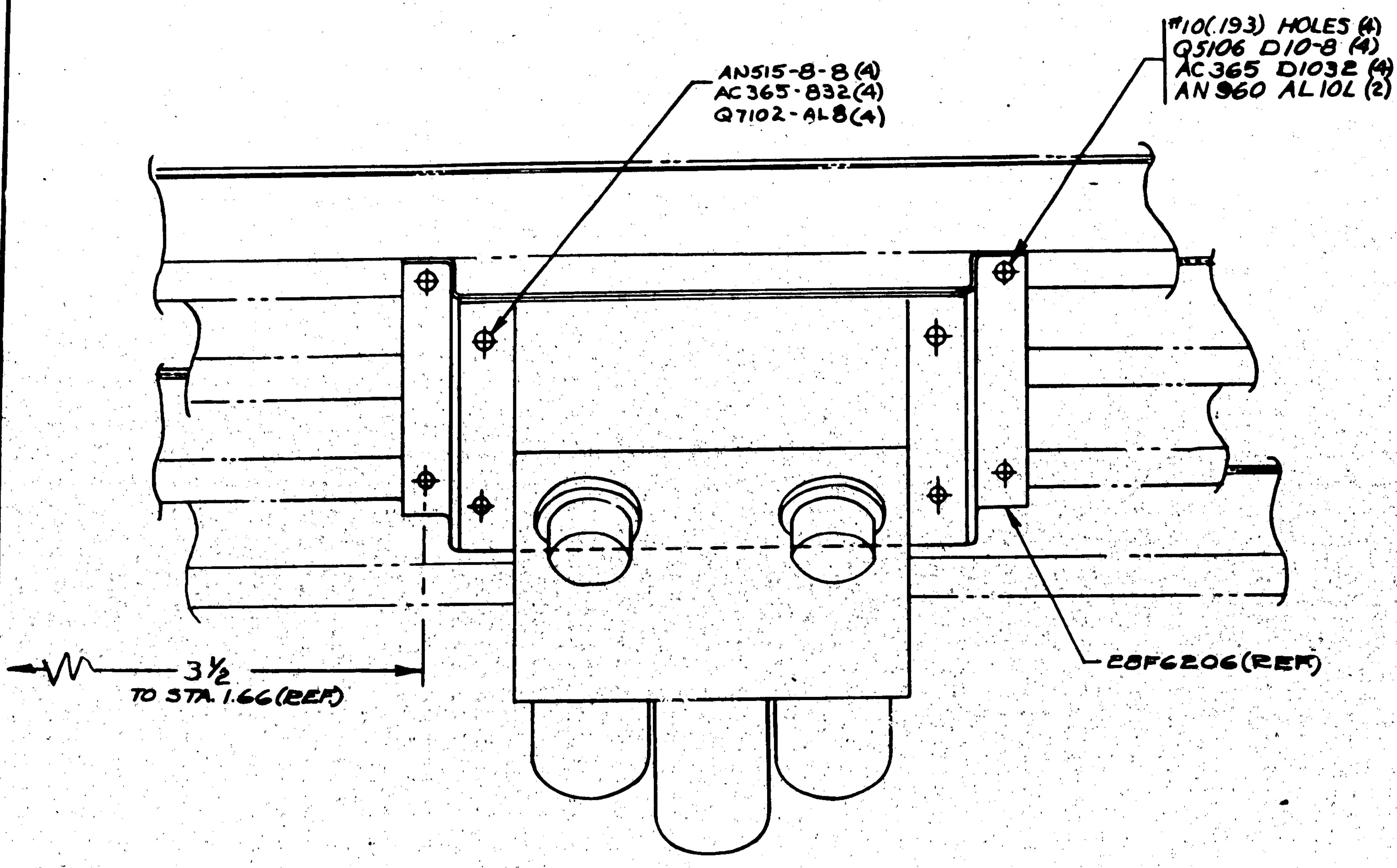
REQUIREMENTS PER AIRPLANE

REPLACES | .60 CALC. WT.
REPLACED BY | ACT. WT.
SCALE: 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

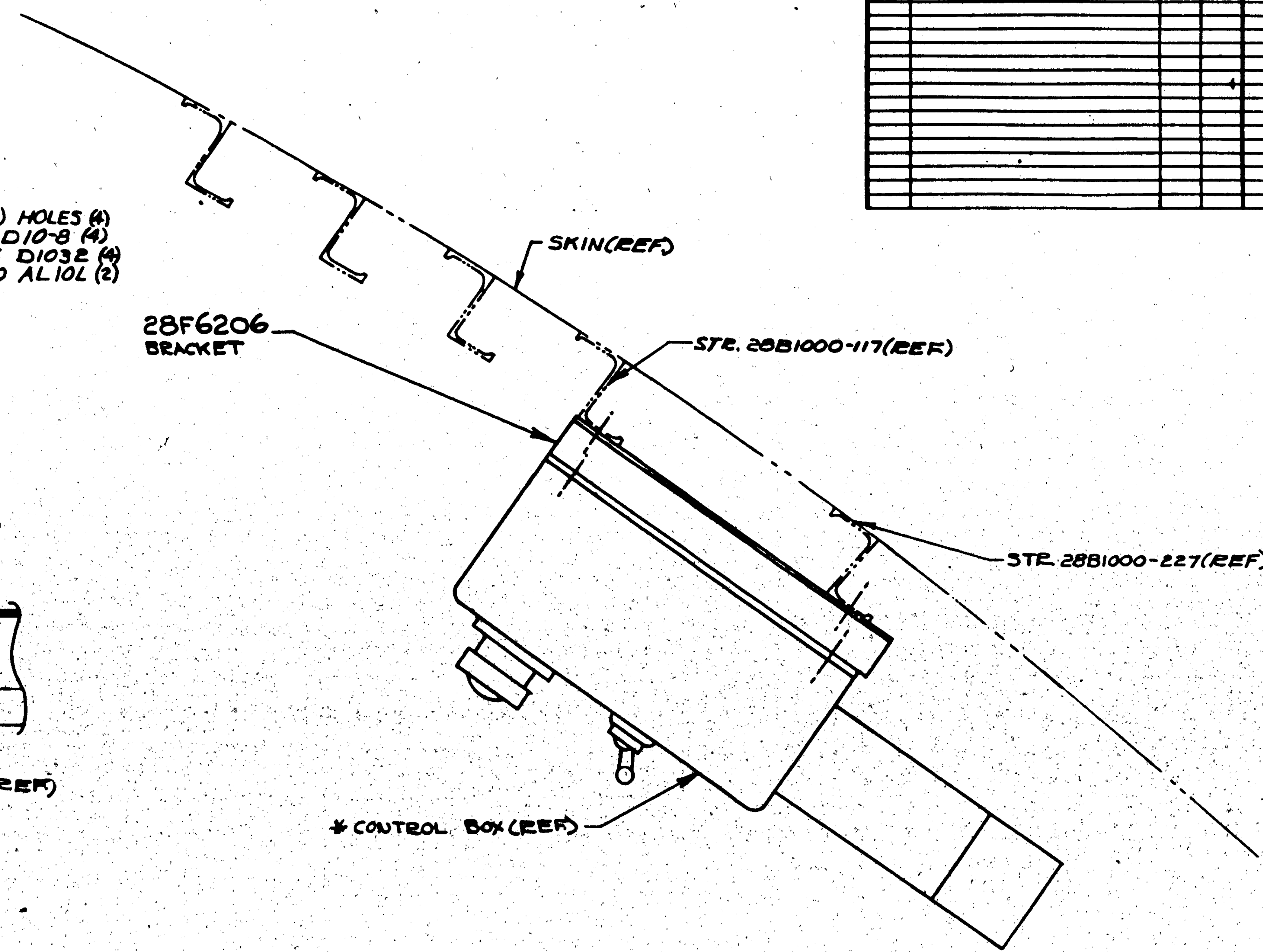
PART No	STOCK	MATERIAL	SPEC.	REQ. -0
Q430306				
28Q-119-2				1
-10	3/4 × 1 × 2 1/2	SYN. R[illegible]		1
-9	MAKE FROM	AN251-2-11.75		1
-8	MAKE FROM	AN251-2-11.75		1
-7	MAKE FROM	AN251-2-11.75		1
-6	.032 × [illegible] × 15 1/2	ALCLAD	QQ-A-362 [illegible]	1

PARTS LIST PER ASSY.

A C
NAVY: NONE — HEAT TREAT
NOTED — FINISH
1-12-43
NAME: DOOR - FURNS - FOOD LOCKER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
G 28F7532



VIEW LOOKING OUTB'D
ST'B'D SIDE



VIEW LOOKING F'W'D
ST'B'D SIDE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN960AL10L				
AN515-8-8				4
Q5106 D10-8				4
AC365-D1032				4
AC365-832				4
Q7102-AL8				4
28F6206				1

PARTS LIST PER ASSY.

MC 212-1

CONT. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F1002	1
	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6205

REPLACED BY

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

APPROVED FOR TOOLING BY
Y. Brown 6-6-43

NAVY NONE — HEAT TREAT
NONE — FINISH

DRAFT | CHECK | STRESS | MAT | APPROV. | ENG

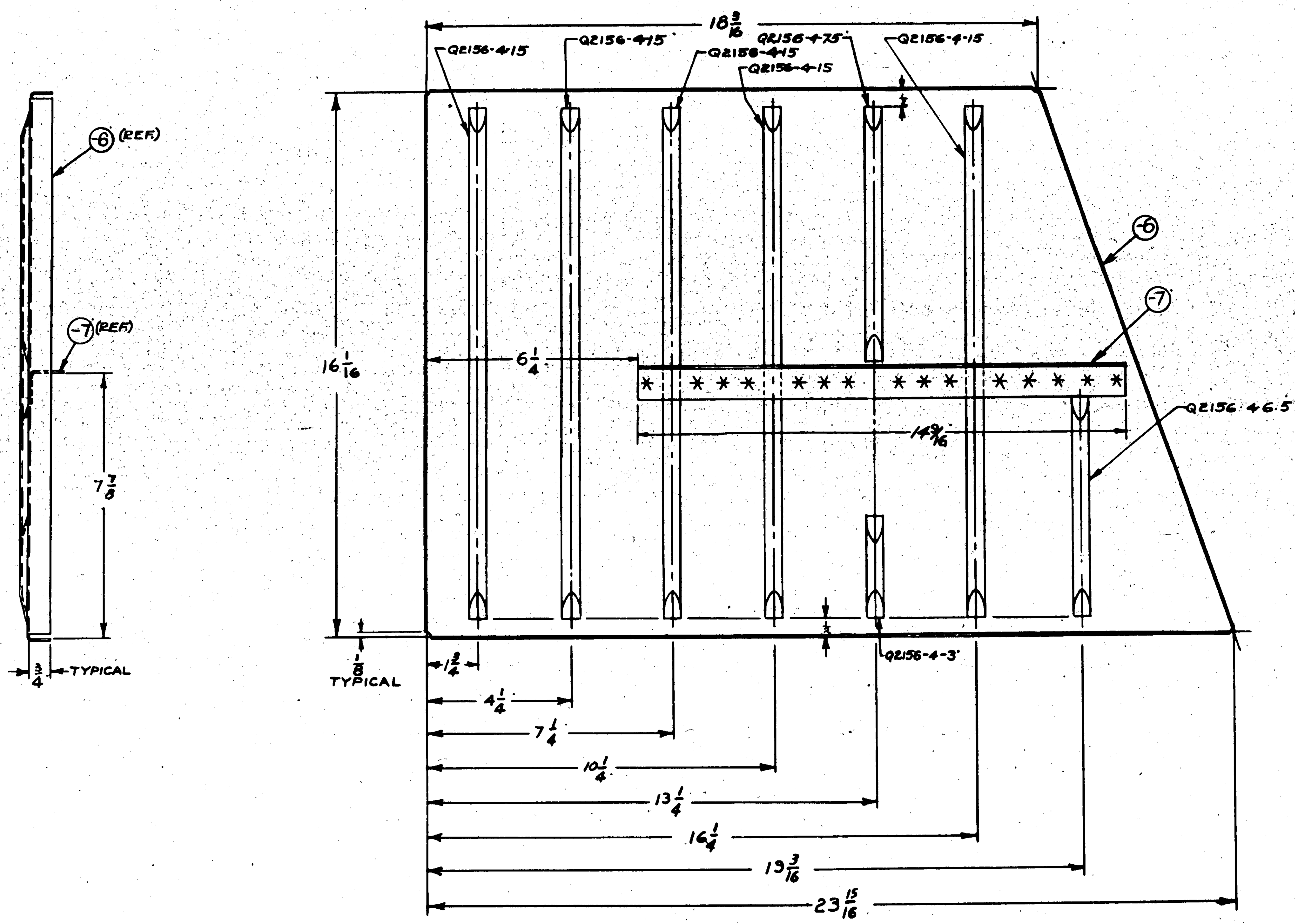
NAME INSTALL - FURNS - ABA CONTROL BOX & BR'KT

OPP. HAND NONE

SIZE G — DWG. 28F7542

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



NOTE: ALL BEND RADII 1/8

✱ SPOTWELD SYMBOL

APPROVED FOR TOOLING BY V. [illegible] 3-19-43

M.C.R.152 -A

PART No	STOCK	MATERIAL	SPEC.	REQ
-7	Y2-A44T x 14 3/4	ALCLAD	QQ-A-362-II	1
-6	.032 x 25 5/8 x 17 3/4	ALCLAD	QQ-A-362-II	1

PARTS LIST PER ASSY.

PBY-5A | 28F7554 | 1

MODEL | NEXT ASSY. | REQ.

REQUIREMENTS PER AIRPLANE

1.41 CALC. WT.

SCALE 6" = 1'0"

NAVY NONE — HEAT TREAT

NONE — FINISH

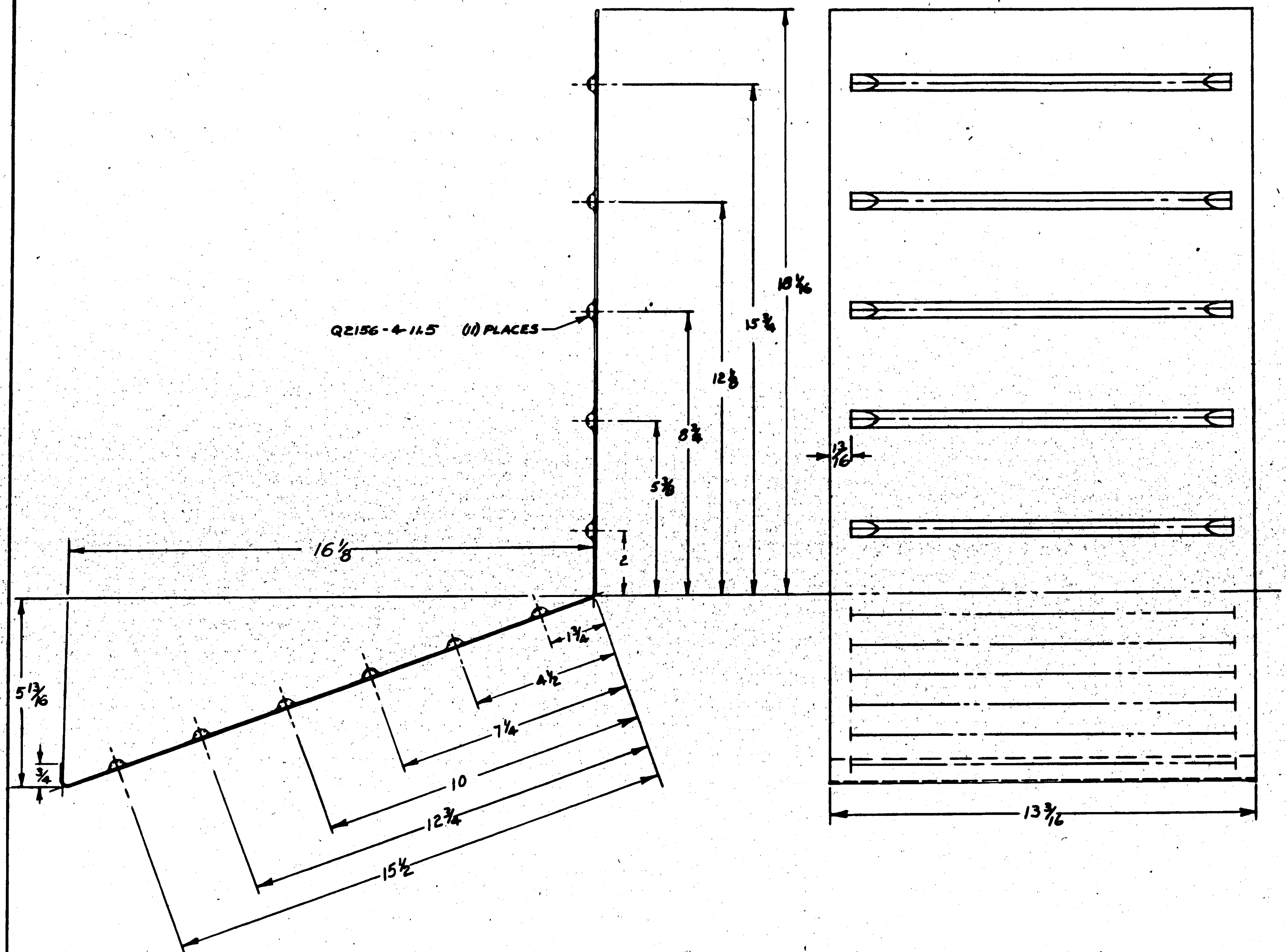
OFF. HAND NONE

NAME ASS'Y - FURNS- FOOD LOCKER- FW'D SIDE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F7549

R



BEND RADII 1/8"

MCE152-A

APPROVED FOR TOOLING BY
V Brown 5-19-43

PART No	STOCK	MATERIAL	SPEC.
	.032 X 34 1/2 X 13 3/8	ALCLAD	QQ-A-362

PARTS LIST PER ASSY.

MODEL | NEXT ASSY. | No.
28F7554

SCALE 6" = 1'0"

NAVY NONE — HEAT TREAT
NONE — FINISH

DRAFT | CHECK | STRUCT | MAT. | APPROV | ENG.
3-11-43

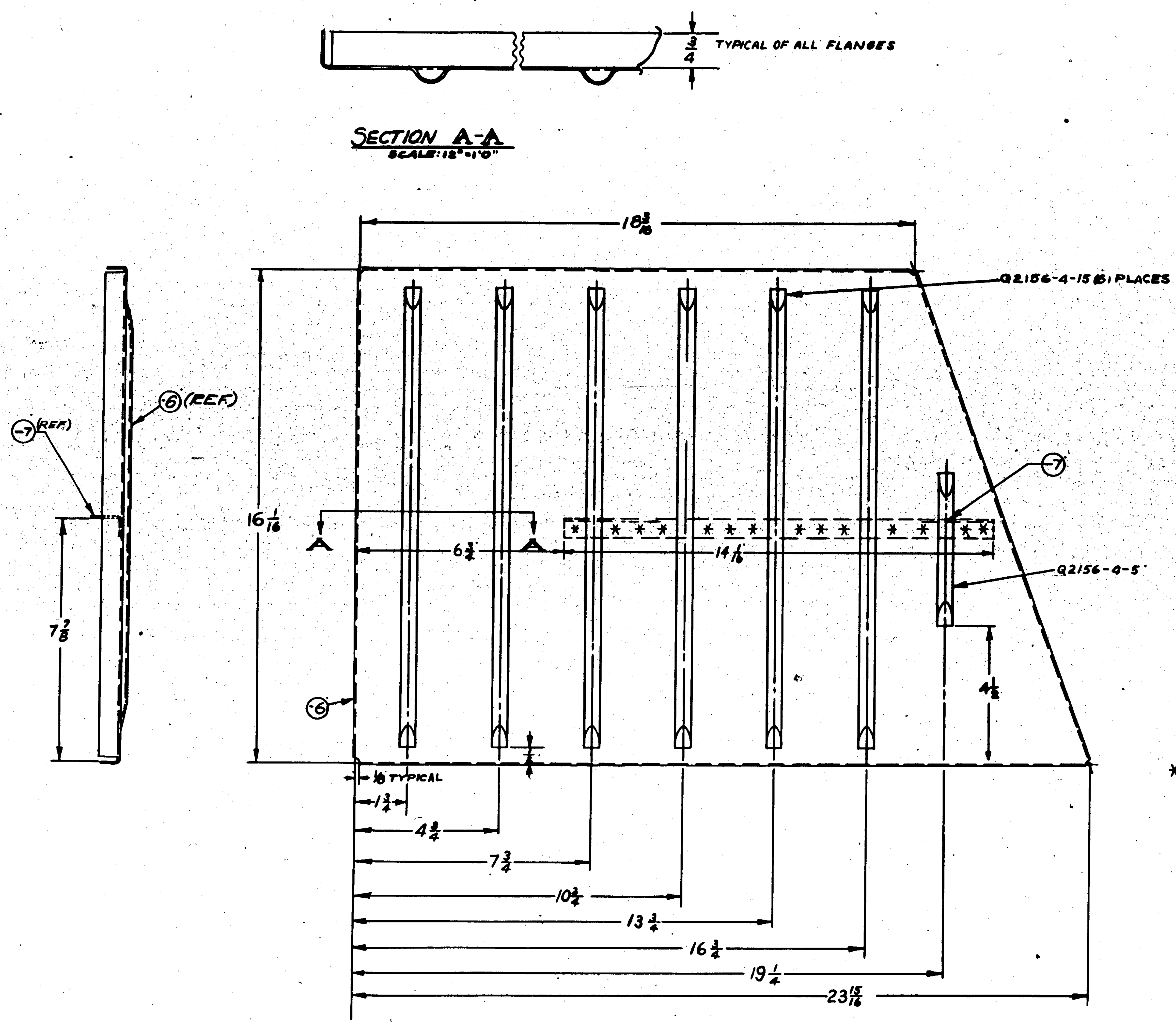
NAME TOP & BACK-FUENS-FOOD LOCKER

OPP. HAND NONE

DWG. G 28F7550

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



NOTE
ALL BEND RADII 1/8

*DENOTES SPOTWELD

MCR152-A

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7558	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.83 CALC. WT.

REPLACED BY — APP. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 6"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
-7	1/2 A 44T X 3/4 X 4 1/2	ALCLAD	QQ-A-362-II	1				
	.032 X 25 3/4 X 17 1/2	ALCLAD	QQ-A-362-II	1				

PARTS LIST PER ASSY.

APPROVED FOR TOOLING BY V Brown 3-19-40

A C
NAVY NONE — HEAT TREAT — NONE — FINISH

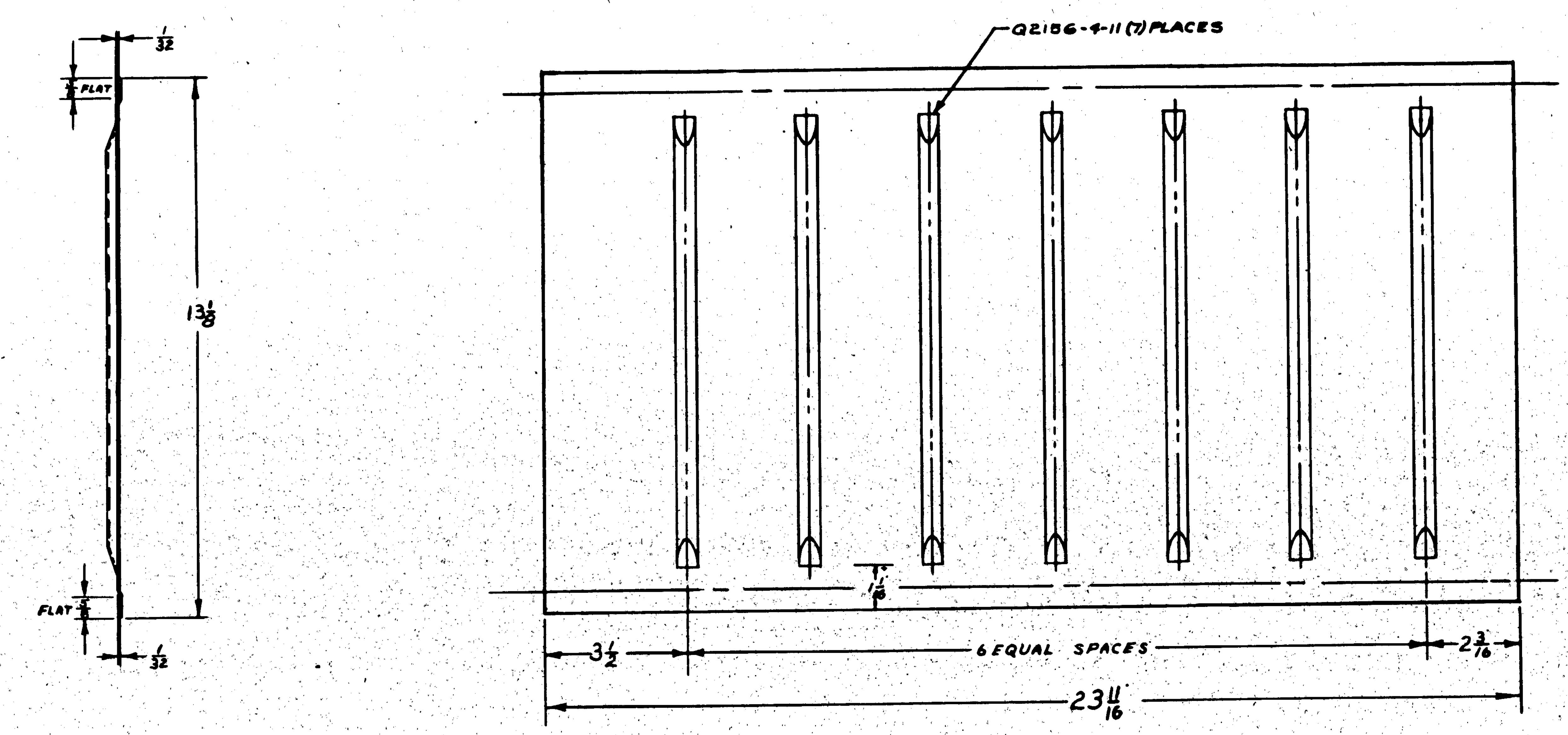
NAME ASS'Y-FURNS-FOOD LOCKER-AFT SIDE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

OPP HAND NONE

G 28F7551

R



MCR152-A

	PBY-5A	28F 7551	
ARMY DASH NO.	MODEL	NEXT ASSY.	NO.

REQUIREMENTS FOR AIRPLANE

REPLACES | 1.00 CALC. WT.

REPLACED BY | ACT. WT.

± 1/32 | SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ.	REQ.	REQ.	REQ.	REQ.
-0	.032 x 23 11/16 x 13 1/8	ALCLAD	AN-A-13?					
				-0	-2	-3	-4	-5

PARTS LIST PER ASSY.

AC			
NAVY NONE	NONE		
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV / ENG	

OPP. HAND NONE

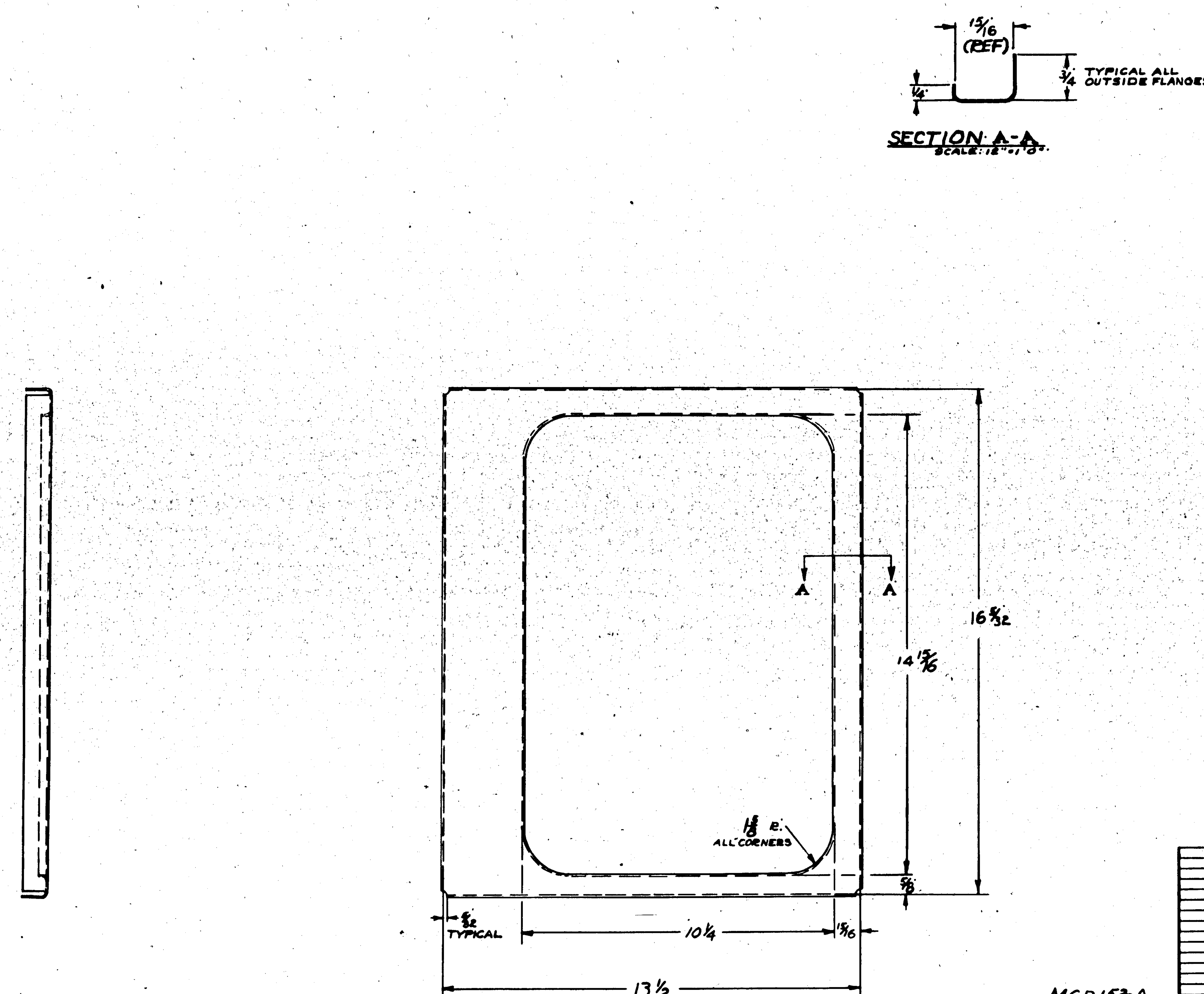
NAME BOTTOM-FURNS - FOOD LOCKER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

DWG. 28F7553

R

APPROVED FOR TOOLING BY
V Brown 3-19-43



M.C.R.152-A

NOTE
ALL BEND RADII 1/8

APPROVED FOR TOOLING BY V Brown 3-19-43

MODEL	NEXT ASSY.
PBY-5A	28F5554

REQUIREMENTS PER AIRPLANE

REPLACES — .39 CALC. WT.

REPLACED BY — ACT. WT.

± 1/32 EX NOTED — SCALE 6"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
-0	.032x15 1/2x18	ALCLAD 24S-T						

PARTS LIST PER ASSY.

A.C.
NAVY NONE. — HEAT TREAT
NONE. — FINISH

DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

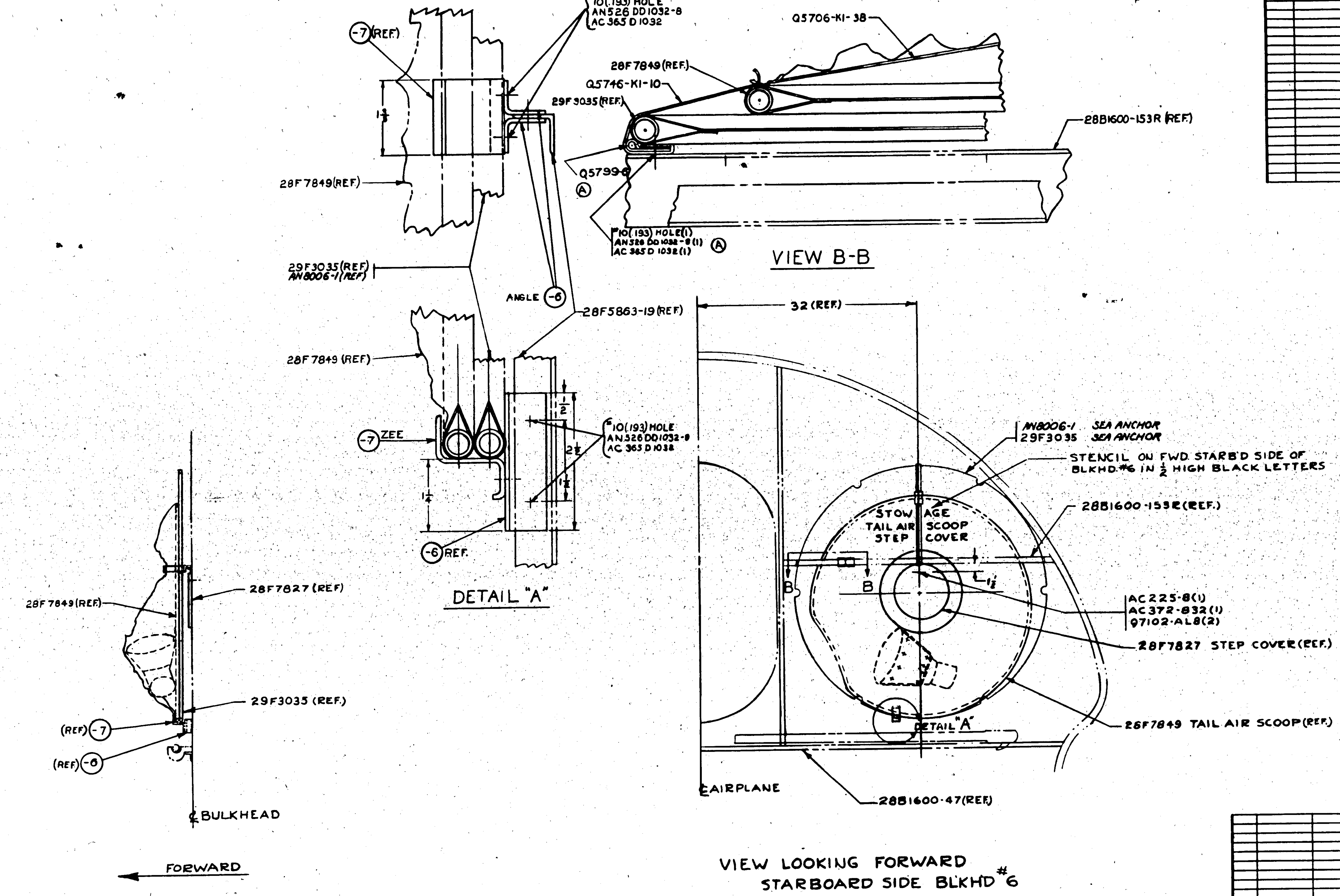
OPP. HAND NONE.

NAME FRONT-FURNS.-FOOD LOCKER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F7555

R



VIEW LOOKING FORWARD
STARBOARD SIDE BLKHD #6

LET	ALTERATION	DATE	BY
A	IN VIEW B-B AN526DD1032-8 (1 WAS 2) AC365D1032 (1 WAS 2) & Q5799-6 WAS -8. IN B/M. AC365D1032 (5 WAS 6) AN 526DD1032-8 (5 WAS 6). Q5799-6 WAS -8 WT. CHG NEG.	9-3-43	BEARD

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.
MANILA ROPE 100'X1" IN CIRCUM.			T-R-601	1	1
MANILA ROPE 15'X1½ IN CIRCUM.			T-R-601	1	
Q7102-AL8				2	2
Q5746-K1-10				1	1
Q5706-K1-38				1	1
Q5799-6				2	2
AC365D1032				5	5
AC372-832				1	1
AC225-8				1	1
AN8006-1				1	
AN526DD1032-8				5	5
29F3035					1
-7	Y-36-A41RT X 1½			1	1
-6	Y-6-A11T X 2⅝			2	2

PARTS LIST PER ASSY.

MCR #23-N
MCR 178 L

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-0	PBY-6	28F1002	1
-2	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1291 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12"=1'-0" 1½"=1'0"
STAMP PART NUMBER WHERE SHOWN

APPROVED FOR TOOLING BY Howarth 5/27/43

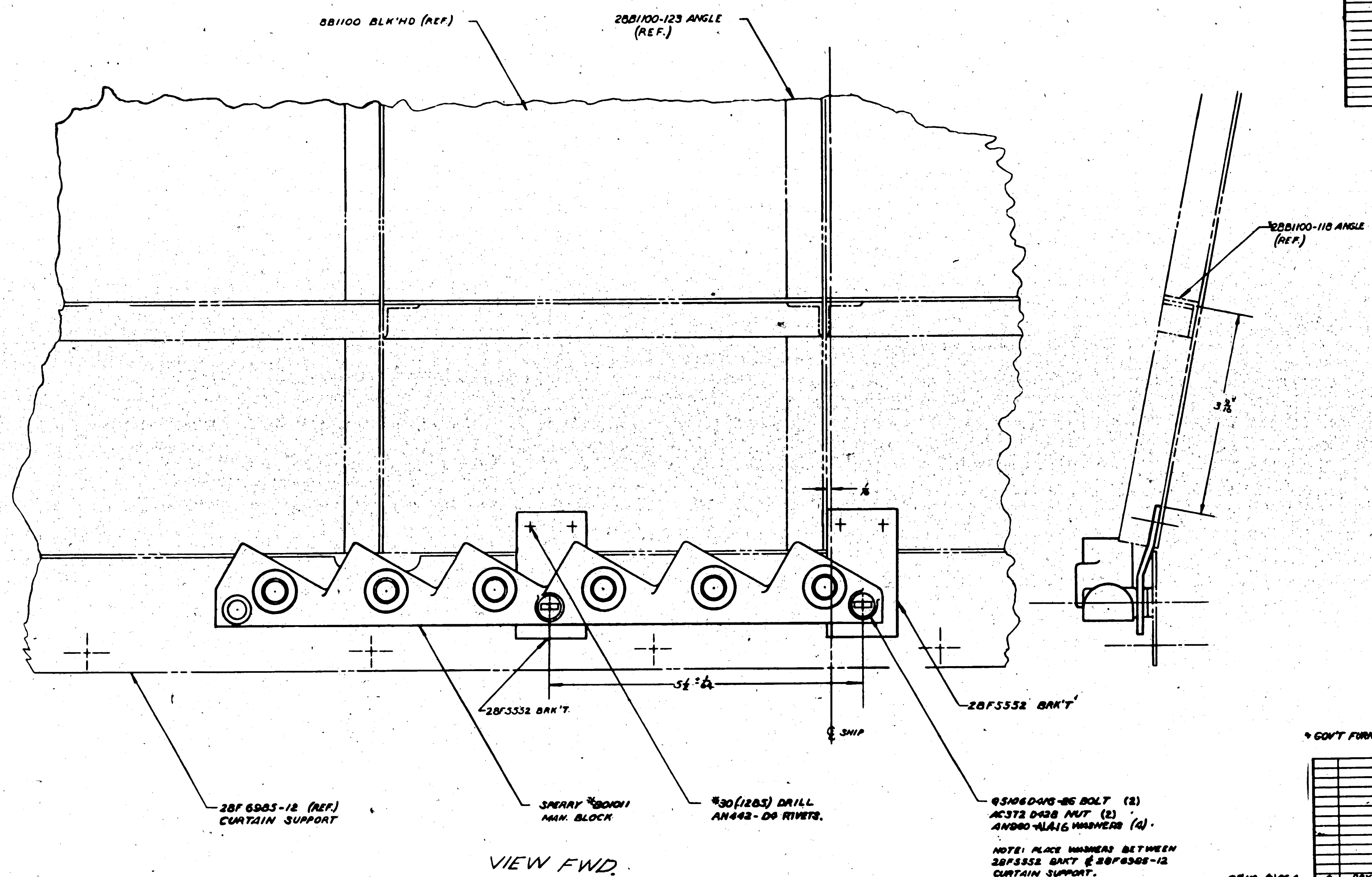
A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT WALLACE 4-20-43 CHECK STRUCT MAT ENG

NAME STOWAGE-SEA ANCHOR, TAIL SCOOP & STEP COVER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND
G 28F7562

R 28F7562



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

* GOV'T FURNISHED

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	REQ.
* 8B0101 SPERRY MANIFOLD BLOCK				1				
AN442-D4 RIVETS				4				
AN960-AL416 WASHERS				4				
AC372-D428 NUTS				2				
Q5106D416-26 BOLTS				2				
28F5552 BRK'T -6				2				

PARTS LIST PER ASSY.

C# NO. (R)064
C# 91676 – 91 & ON

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5A	28F5716	1
-0	PBY-5	28F5713	1

REQUIREMENTS PER AIRPLANE

REPLACES — .956 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

APPROVED FOR TOOLING BY E. E. Dalton 6-8-43

A C		DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.
NAVY NONE	NONE	4-28-43				6-14-43	
HEAT TREAT	FINISH						

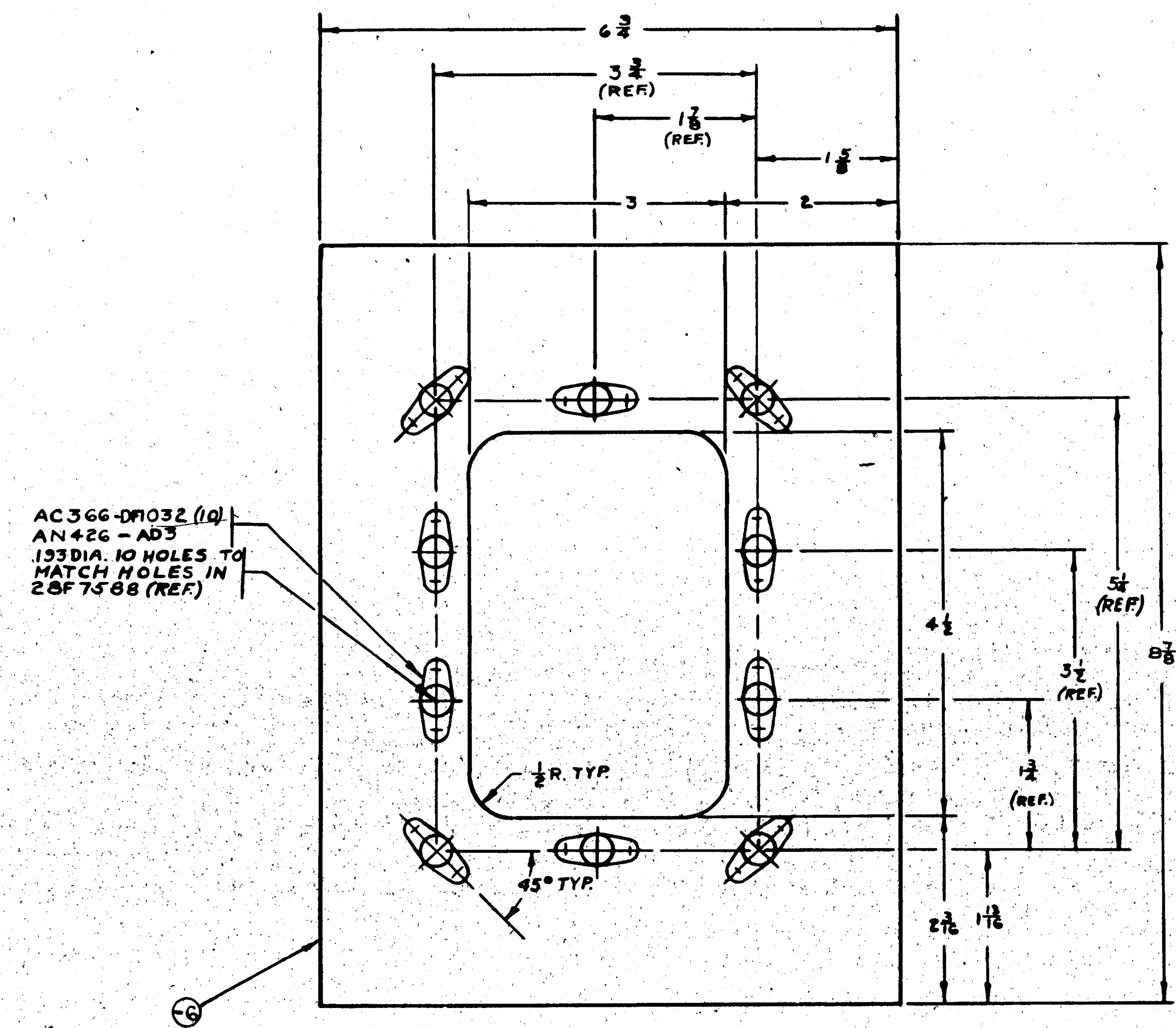
OPP. HAND NONE

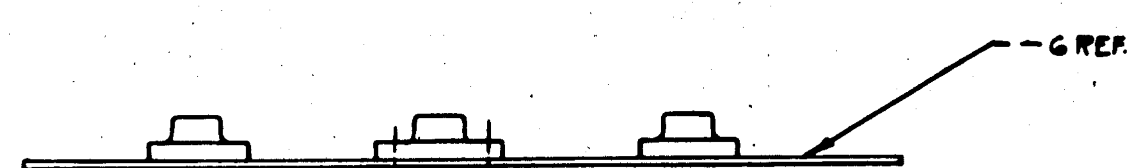
NAME INSTALLATION- FURNS. SPERRY MANIFOLD-BLK'HD 4

DWG. SIZE G — 28F 7566

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F7566





MCR 254-1

APPROVED FOR TOOLING BY
E. E. DALTAN
6/14/43

Part No.	Stock	Material	Spec.	Req.
AN426-AD3				10
AC366-DF1032				
	.040 x 6 3/4 x 9	ALCLAD	QQ-A362-T	1

PARTS LIST FOR ASSY. -0 -2 -3 -4 -5

PBY-5A 28F7584 2
MODEL / NEXT ASSY. / NO.
REQUIREMENTS FOR AIRPLANE
.24
SCALE 12" = 1'0"

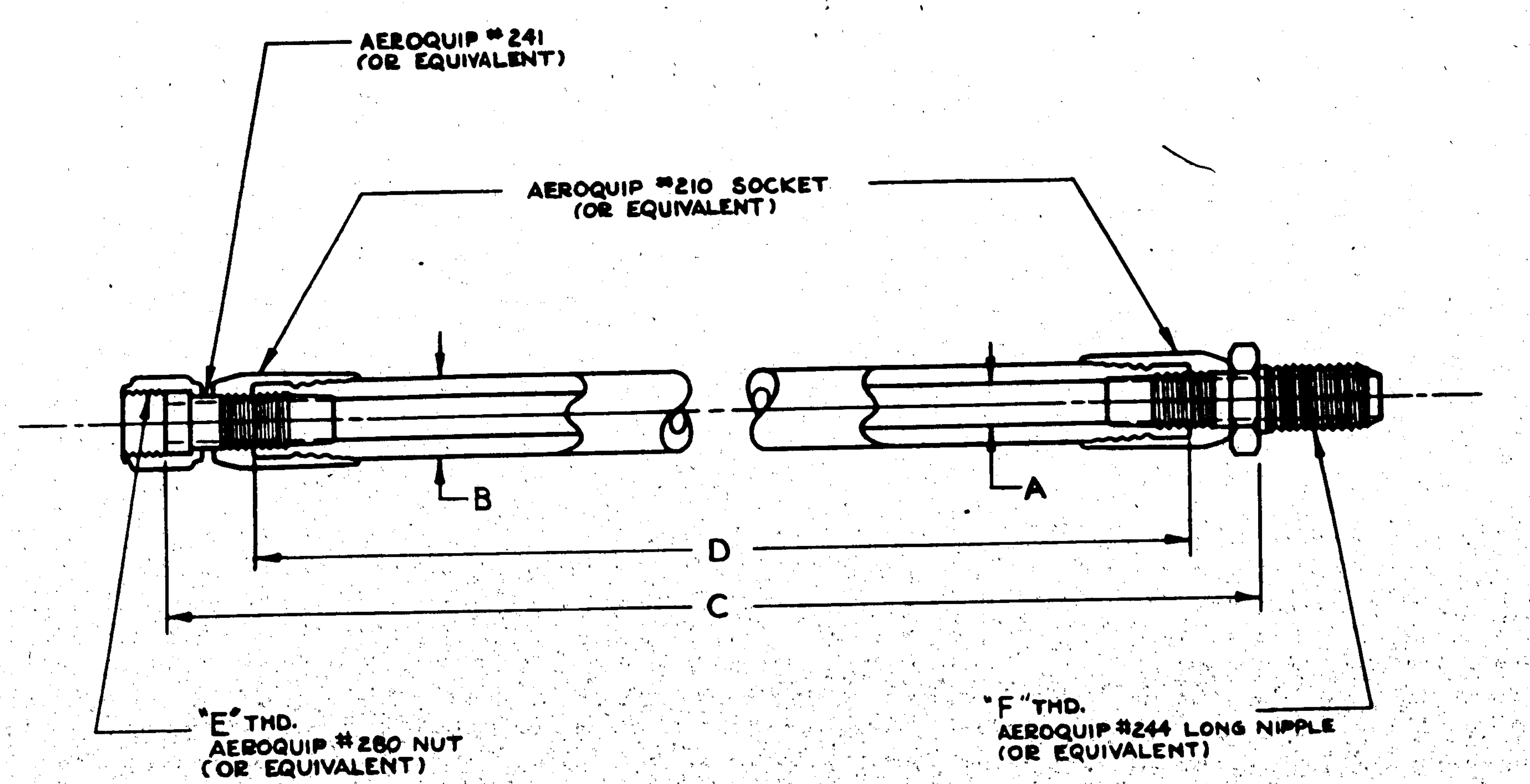
NAVY —
Z-P — GP
HEAT TREAT / FINISH

NAME PLATE ASSEMBLY - ALTIMETER ANTENNA

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F7589

R 28F7589



NOTES:
1. HOSE TO BE IN ACCORDANCE WITH AN-H-6a SPECIFICATION EXCEPT END FITTINGS TO BE SUITABLE FOR USE WITH AC811 TYPE FITTINGS AS NOTED.
* 2. HOSE NOTED WITH ASTERISK IS TO BE IN ACCORDANCE WITH SPEC. AN-ZZ-H-625 EXCEPT END FITTINGS ARE TO BE OF THE REMOVABLE TYPE AS NOTED.
3. HOSE ASSEMBLIES ARE TO BE STAMPED OR STENCILED WITH THE APPROPRIATE C.A.C. PART NO. (EXAMPLE: 28F7592-6) BY THE VENDOR.
4. HOSE ASSY'S ON THIS DRAWING MAY BE PURCHASED FROM AEROQUIP CORP., JACKSON, MICH.

DASH NO.	A DIA.	B DIA.	C	D	E	F	AEROQUIP DASH NO. (REF) SOCKET	LONG NIPPLE	SWIVEL NIPPLE	NUT	AEROQUIP ASS'Y NO.	MAXIMUM WORKING PRESS (ACTUAL)	TO REPLACE & BE INTERCHANGEABLE WITH HOSES NO.	PLACE & SYSTEM IN WHICH HOSE IS USED	TYPE OF FLUID USED	WEIGHT OF ASSY
-6	.313 +.016 -.000	11/16 +1/16 -1/16	14	12.5	9/16-20	9/16-20	210-6	244-6D	241-6D	280-6D	324-6	1050	AC39G1030-6-14	N.W. LAND. GEAR SYS. HYD. DR. LINES	AN-VV-0-366A	.28
-7	.313 +.016 -.000	11/16 +1/16 -1/16	16	14.5	9/16-20	9/16-20	210-6	244-6D	241-6D	280-6D	324-6	1050	AC39G1030-6-16	NOSE WHEEL LANDING GEAR SYSTEM	AN-VV-0-366A	.30
-8	.315 +.016 -.000	11/16 +1/16 -1/16	21	19.5	9/16-20	9/16-20	210-6	244-6D	241-6D	280-6D	324-6	1050	AC39G1030-6-21	HYDRAULIC BRAKE LINES	AN-VV-0-366A	.36
-9	.315 +.016 -.000	11/16 +1/16 -1/16	24	22.5	9/16-20	9/16-20	210-6	244-6D	241-6D	280-6D	324-6	1050	AC39G1030-6-24	HYDRAULIC BRAKE LINES	AN-VV-0-366A	.40
-10	.313 +.016 -.000	11/16 +1/16 -1/16	27	25.5	9/16-20	9/16-20	210-6	244-6D	241-6D	280-6D	324-6	1050	AC39G1030-6-27	HYDRAULIC BRAKE LINES	AN-VV-0-366A	.43
-11	.313 +.016 -.000	11/16 +1/16 -1/16	30	28.5	9/16-20	9/16-20	210-6	244-6D	241-6D	280-6D	324-6	1050	AC39G1030-6-30	HYDRAULIC BRAKE LINES	AN-VV-0-366A	.47
-12*	.406 +.016 -.000	25/32 +1/16 -1/16	16	14.35	3/4-18	3/4-18	210-8	244-8D	241-8D	280-8D	324-8	1050	AC39G1030W-8-16	ENGINE DRIVEN PUMP PRESSURE LINE	AN-VV-0-366A	.43
-13	.500 +.023 -.000	15/16 +1/16 -1/16	14	12.14	7/8-18	7/8-18	210-10	244-10D	241-10D	280-10D	324-10	1050	AC39G1030-10-14	ENGINE DRIVEN PUMP SUCTION LINE	AN-VV-0-366A	.48

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-13	28-5AMN	28F6520	1
-13	28-5AMC		1
-13	PBY-5A		1
-12	28-5AMN		1
-12	28-5AMC		1
-12	PBY-5A	28F6520	1
-11	28-5AMN	28F6545	4
-11	28-5AMC		4
-11	PBY-5A		4
-10	28-5AMN		2
-10	28-5AMC		2
-10	PBY-5A		2
-9	28-5AMN		4
-9	28-5AMC		4
-9	PBY-5A		4
-8	28-5AMN		4
-8	28-5AMC		4
-8	PBY-5A	28F6545	4
-7	28-5AMN	28F6500	1
-7	28-5AMC	28F6500	1
-7	PBY-5A	28F6500	1
-6	28-5AMN	28F6545	4
-6	28-5AMC	28F6545	4
-6	PBY-5A	28F6545	4
-6	28-5AMN	28F6500	1
-6	28-5AMC	28F6500	1
-6	PBY-5A	28F6500	1

REQUIREMENTS PER AIRPLANE

REPLACES NOTED — NOTED CALC. WT

REPLACED BY — ACT. WT

± 1/64 — SCALE NO SCALE

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC
-6	NOTED	NOTED	

PARTS LIST PER ASSY. — REQ -0, REQ -2, REQ -3, REQ -4, REQ -5 (LH / RH)

AC NONE
NAVY
HEAT TREAT — FINISH

DRAFT: LENOIR 6-3-43 — CHECK — STRUCT — MAT — APPROV — ENG

OPP. HAND NONE

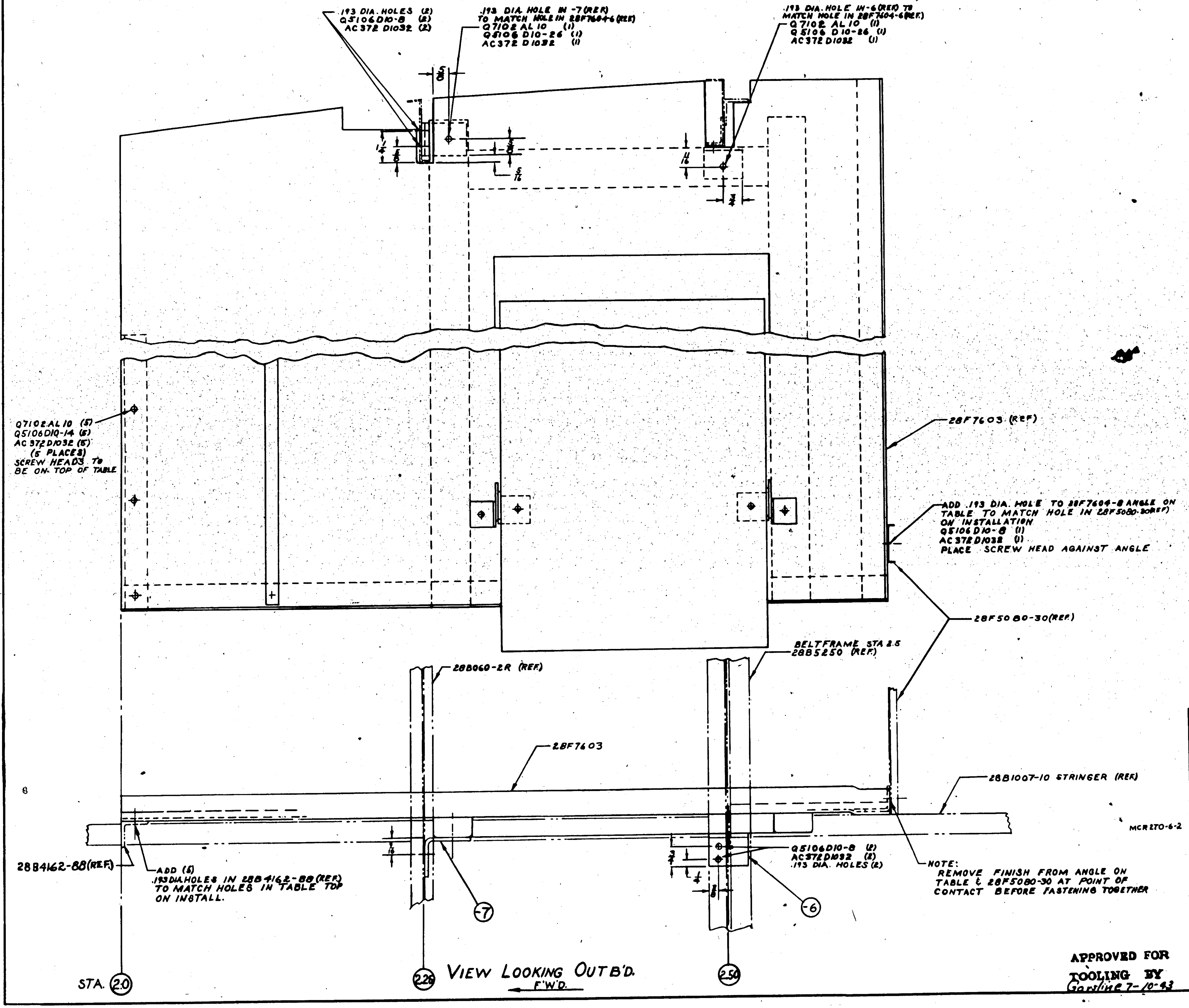
NAME HOSE ASS'Y - DETACHABLE HOSE FITT'GS

G 28F7592

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY Tooling 6-23-43

R 28F7592



APPROVED FOR TOOLING BY Gardine 7-10-43

MCR 270-6-2

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-0	PBY5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 8.07 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 6" - 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AC372D1032				12
Q7102AL10				7
Q5106D10-26				2
Q5106D10-14				5
Q5106D10-8				5
28F7603				1
-7	Y6-A125T x 1 3/8			1
-6	Y2-A58T x 1 3/8			1

PARTS LIST PER ASSY.

A C		
NAVY NONE	-6 & -7 Z-P-GP	6-21-43
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT. / MAT. / APPROV. / ENG.

OPP. HAND NONE

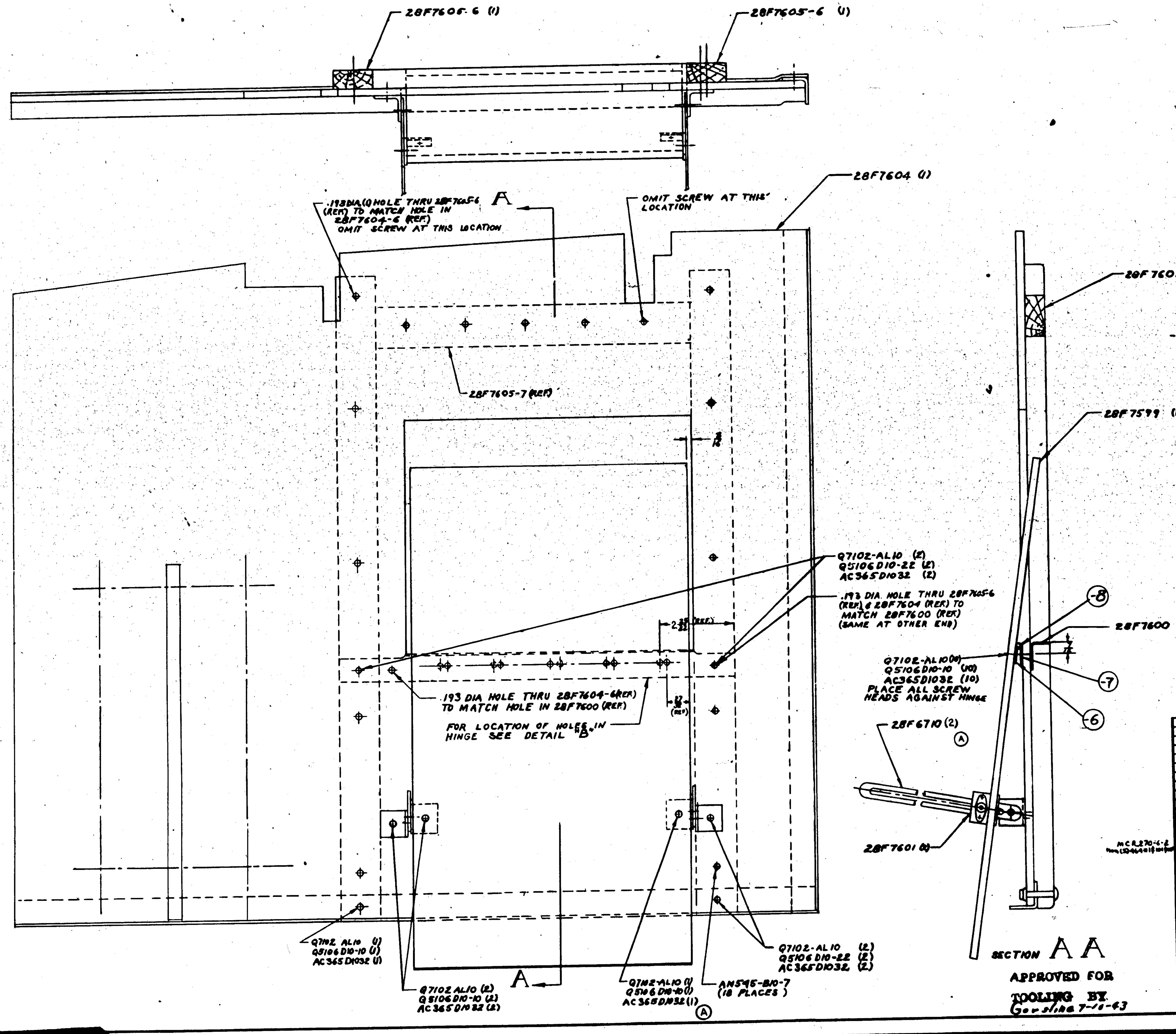
NAME INSTALLATION - ASB. RADAR OPERATOR'S TABLE

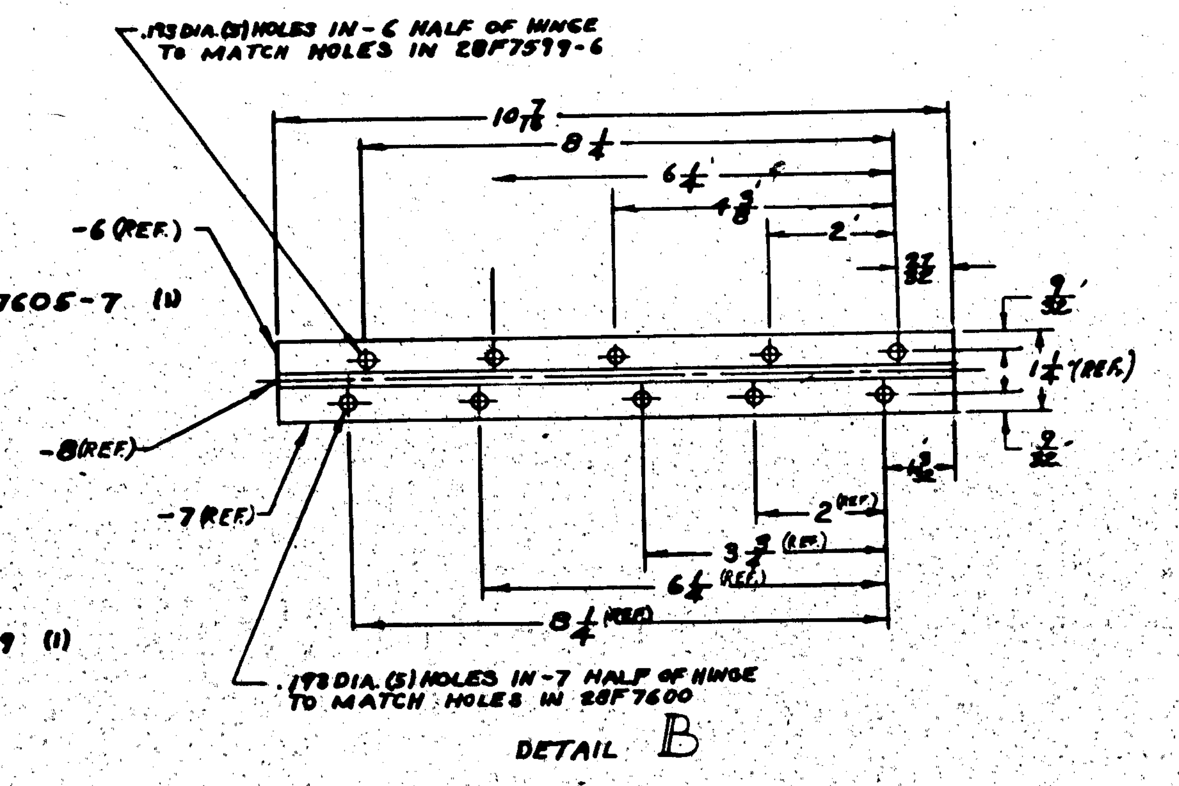
DWG. SIZE G — 28F7602

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F7602

LET	ALTERATION	DATE	BY
A	28F6710(2) WAS (1) ON FACE & IN B/M. AC365D1032 (1) WAS (2) ON FACE ONLY. WT. CHG. NO.	8-31-43	DRURY





PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN595-8I0-7				18
AC365D1032				18
Q7102 AL10				18
Q5106D10-22				5
Q5106D10-10				13
28F7605-7				1
28F7605-6				2
28F7604				1
28F7601				2
28F7600				1
28F7599				1
28F6710				2
-8	MAKE FROM	AN257-1-11	HINGE PIN	1
-7	MAKE FROM	AN257-1-11	HINGE HALF	1
-6	MAKE FROM	AN257-1-11	HINGE HALF	1

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-0	PBY-5A	28F7602	1

REQUIREMENTS PER AIRPLANE

REPLACES — 7.95 CALC. WT.
REPLACED BY — ACT. WT.
SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN

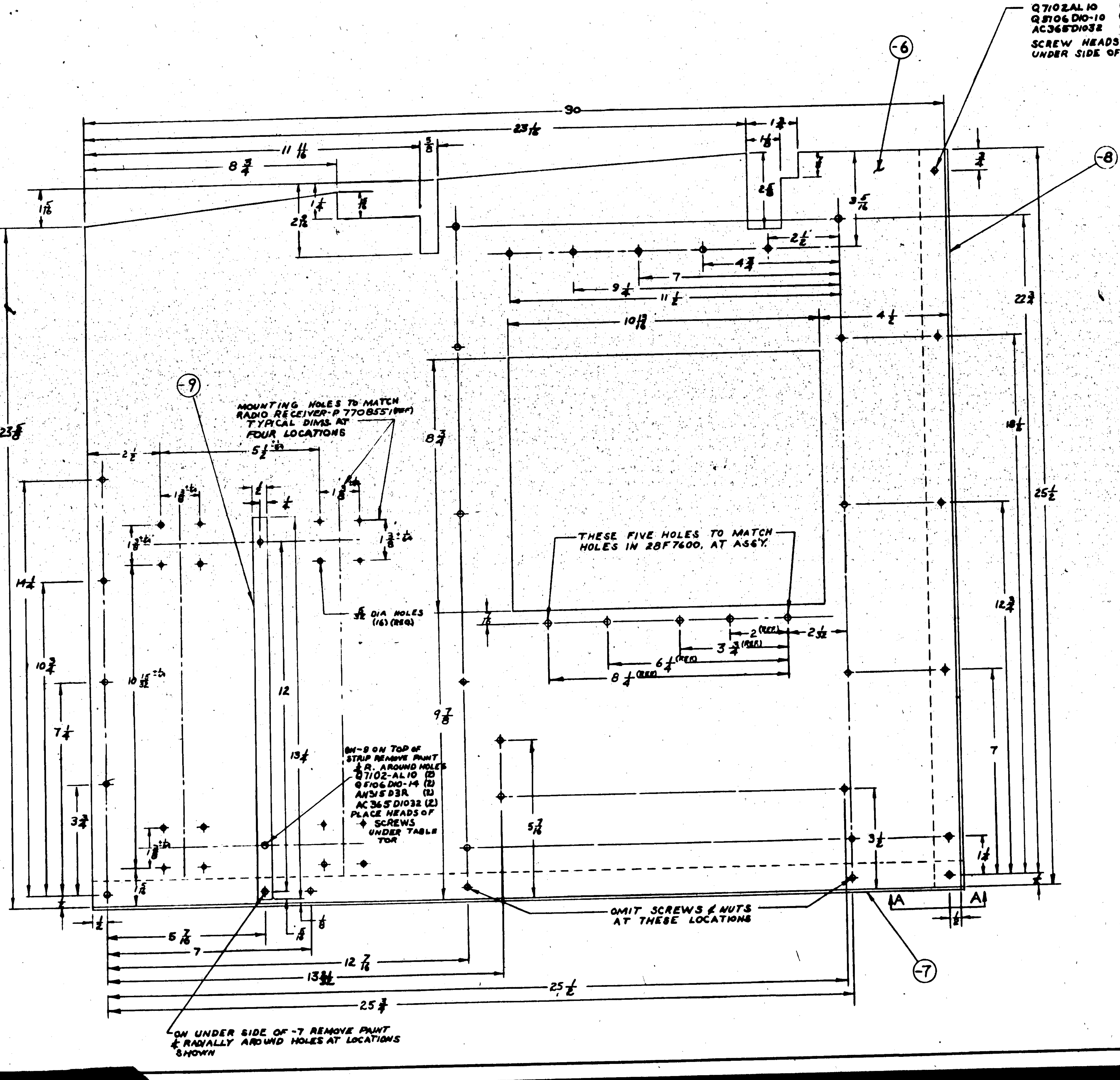
NAVY NONE — HEAT TREAT
NOTED — FINISH
DRAFT 6-16-43

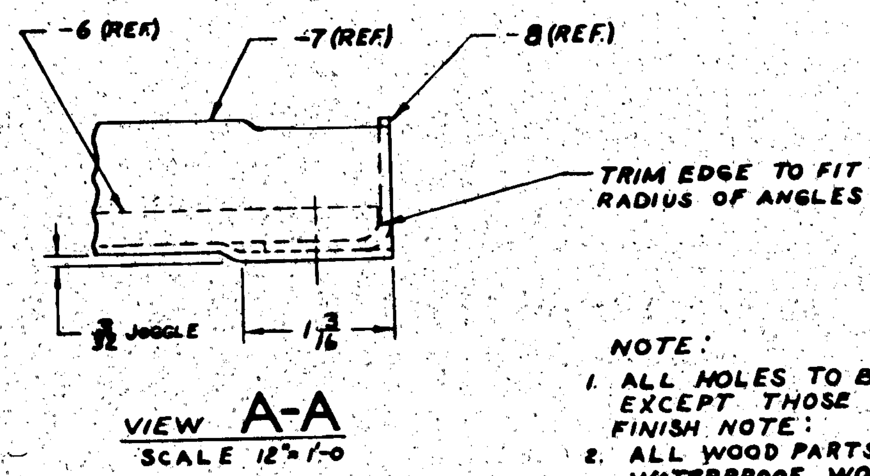
NAME ASSEMBLY- ASB RADAR OPERATOR'S TABLE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28F7603

R 28F7603





VIEW A-A
SCALE 12"=1'-0

NOTE:
1. ALL HOLES TO BE .193 DIA. AT ALL LOCATIONS EXCEPT THOSE NOTED

FINISH NOTE:
2. ALL WOOD PARTS SHALL HAVE ONE COAT OF APPROVED WATERPROOF WOOD SEALER, ONE COAT OF FILLER ACROSS THE GRAIN & THE EXCESS RUBBED OFF ONE SPRAY COAT OF SPAR VARNISH OR ENAMEL OF SUITABLE COLOR-PER SPEC ZF-28-017
3. ALL METAL PARTS E-P-GP FINISH.
4. PLACE ALL SCREW HEADS ON UNDER SIDE OF TABLE

MCR. 270-6-2

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
AN515D3R				2
AC365D1032				10
Q7102AL-10				10
Q5106D10-14				2
Q5106D10-10				8
-9	.032X13 X5/8	ALCLAD 24T	QQA362-T	1
-8	Y-2-A49TX25	-		1
-7	Y-2-A49TX30	-		1
-6	25 X30 X 3 PLY SPRUCE PLYWOOD			1

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-0	PBY-5A	28F7603	1

REQUIREMENTS PER AIRPLANE

REPLACES — 3.98 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 6"=1'-0"
STAMP PART NUMBER WHERE SHOWN

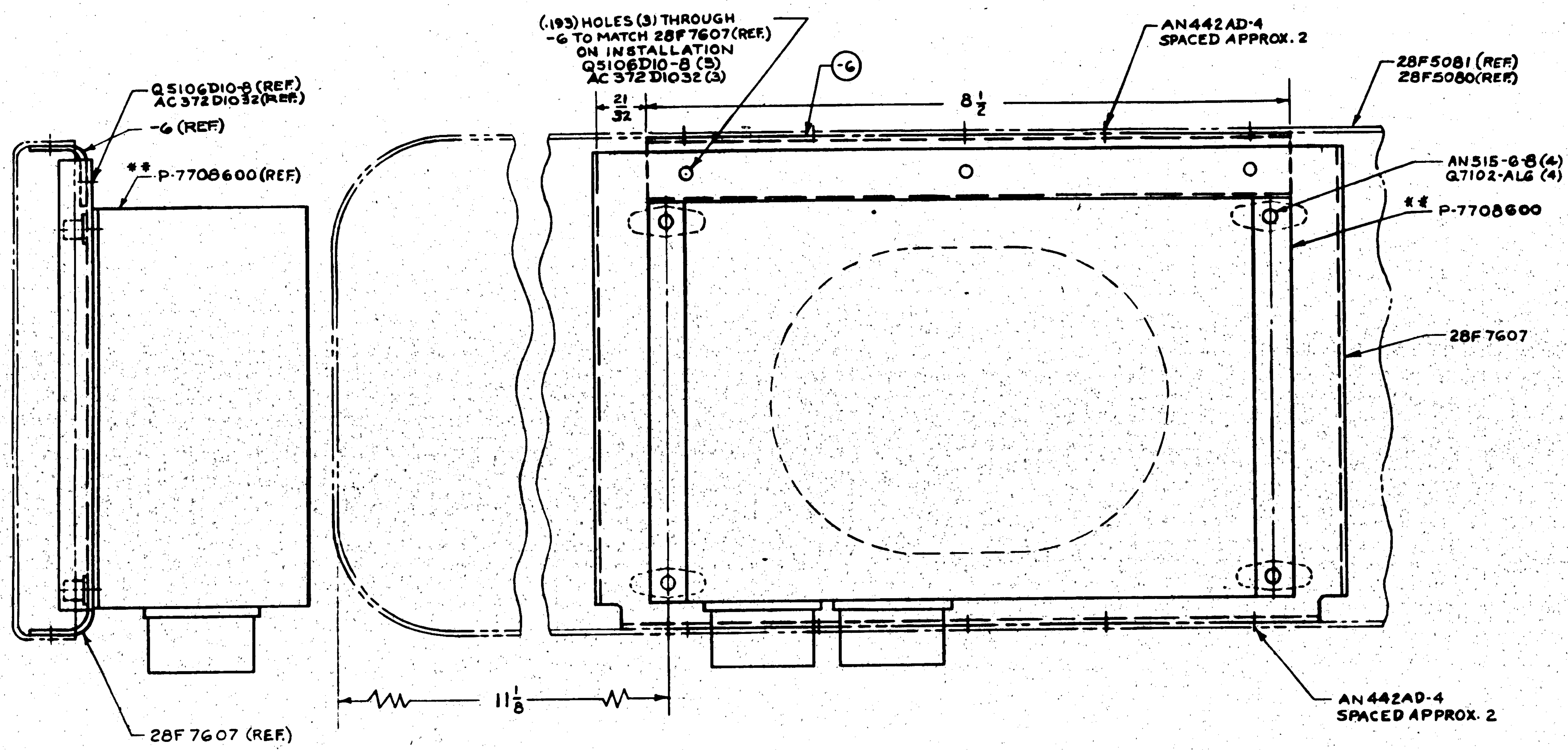
AC
NAVY NONE
HEAT TREAT
FINISH NOTED
DRAFT 6-16-43
CHECK STRUCT MAT APPROV ENG.
OPP. HAND NONE

NAME TOP ASSEMBLY - ASB RADAR OPERATORS TABLE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG. SIZE G 28F7604

APPROVED FOR TOOLING BY Gersline 7-10-43

R 28F7604

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	CHANGED -6 STOCK IN B/M TO Y-2-A27-T×8½ WAS Y-6-A22-T×8½ WT. CHG. NEG	9-9-43	[illegible]				



** DENOTES GOVERNMENT FURNISHED & GOVERNMENT INSTALLED EQUIPMENT.

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
** P-7708600	CONTROL UNIT			1				
Q7102-AL6				4				
Q5106D10-8				3				
AC372D1032				3				
AN442AD4								
AN515-6-8				4				
28F7607				1				
-6	Y-2-A27-T×8½			1				

PARTS LIST PER ASSY.

MCR270-7

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 6.49# CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
H. A.W.N. 6-17-43 — DRAFT — CHECK — STRUCT — MAT — APPROV — ENG.
OPP. HAND

NAME INSTALLATION ASB CONTROL

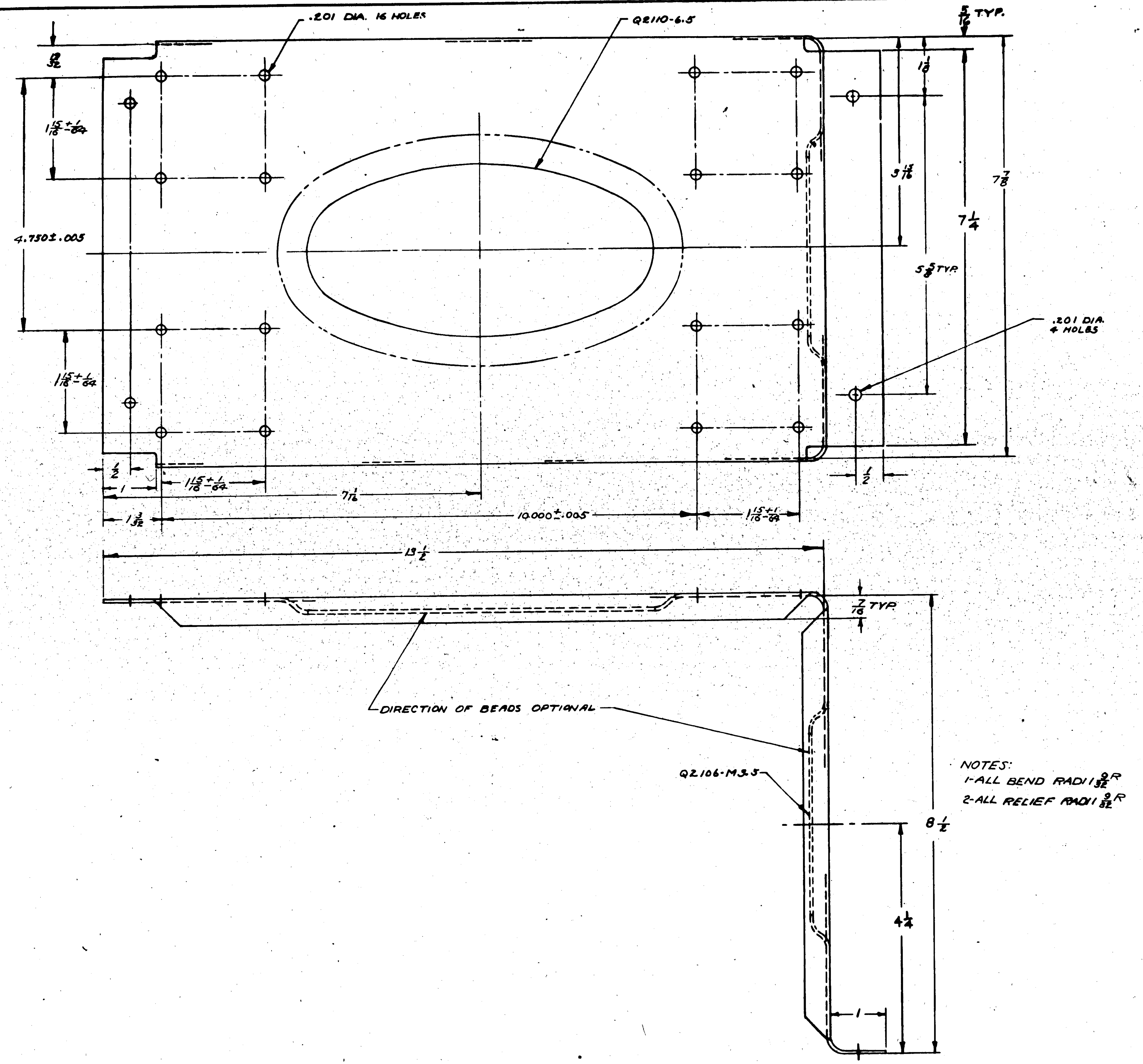
DWG. SIZE G 28F7606

CONSOLIDATED AIRCRAFT CORP. — SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY Gorsline 6-26-43

R

28F7606



NOTES:
1-ALL BEND RADII 9/32 R
2-ALL RELIEF RADII 9/32 R

NCR 270-6-1

APPROVED FOR TOOLING BY Gersline 7-10-43

ASSY. DASH No.	MODEL	NEXT ASSY.	No.
	PBY-5A	28F7610	1

REQUIREMENTS PER AIRPLANE

REPLACED	1.1# CALC. WT.
REPLACED BY	ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
-0	.064 x 23 1/8 x 8 3/4	ALC SHT	20-A-2(?)-T					

PARTS LIST PER ASSY.

A C
NAVY NONE — HEAT TREAT
Z-P-GP — FINISH
DRAFT — CHECK — STRUCT — MAT. — APPROV. — ENG.

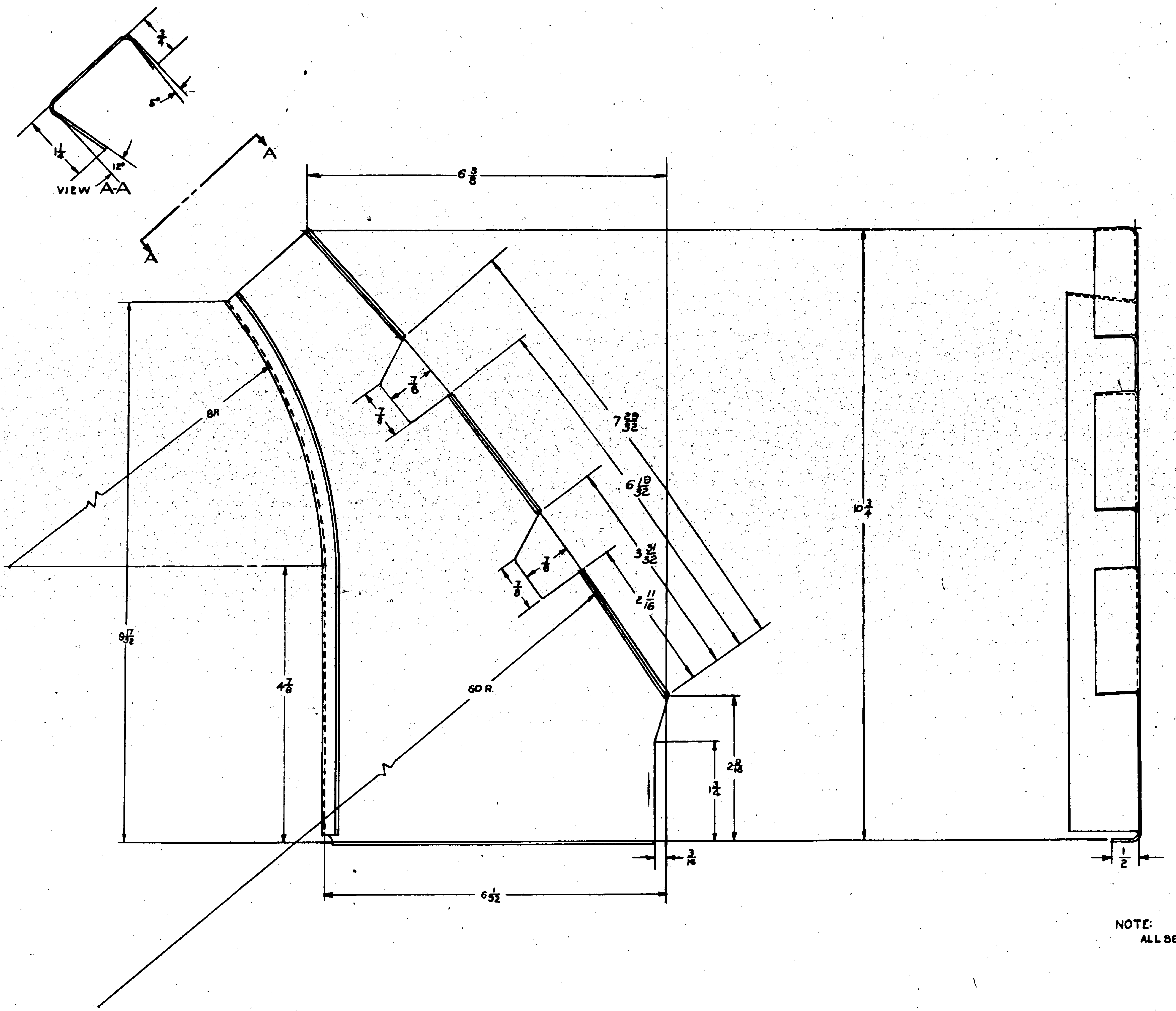
NAME SUPPORT-ASB REMOTE INDICATOR AMPLIFIER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND —

DWG. SIZE G 28F7609

R 28F7609



NOTE:
ALL BEND & RELIEF RADII 1/8

A.C.A. 270-1-1

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-R	PBY-5A	28F7620	1
-L	PBY-5A	28F7620	1

REQUIREMENTS PER AIRPLANE

REPLACES | .36 CALC. WT.

REPLACED BY | ACT. WT.

± 1/32 & 1/2° | SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.064 X 8 3/4 X 12 3/4	24ST ALC.	QQ-A-362

PARTS LIST PER ASSY.

REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5

A C
NAVY
HEAT TREAT
FINISH: ZP-GP

DRAFT: STEWART 8-22-42 | CHECK | STRUCT. | MAT. | APPROV. | ENG.

OPP. HAND 28F7613-R

NAME: INTERCOSTAL-ASB ANTENNA

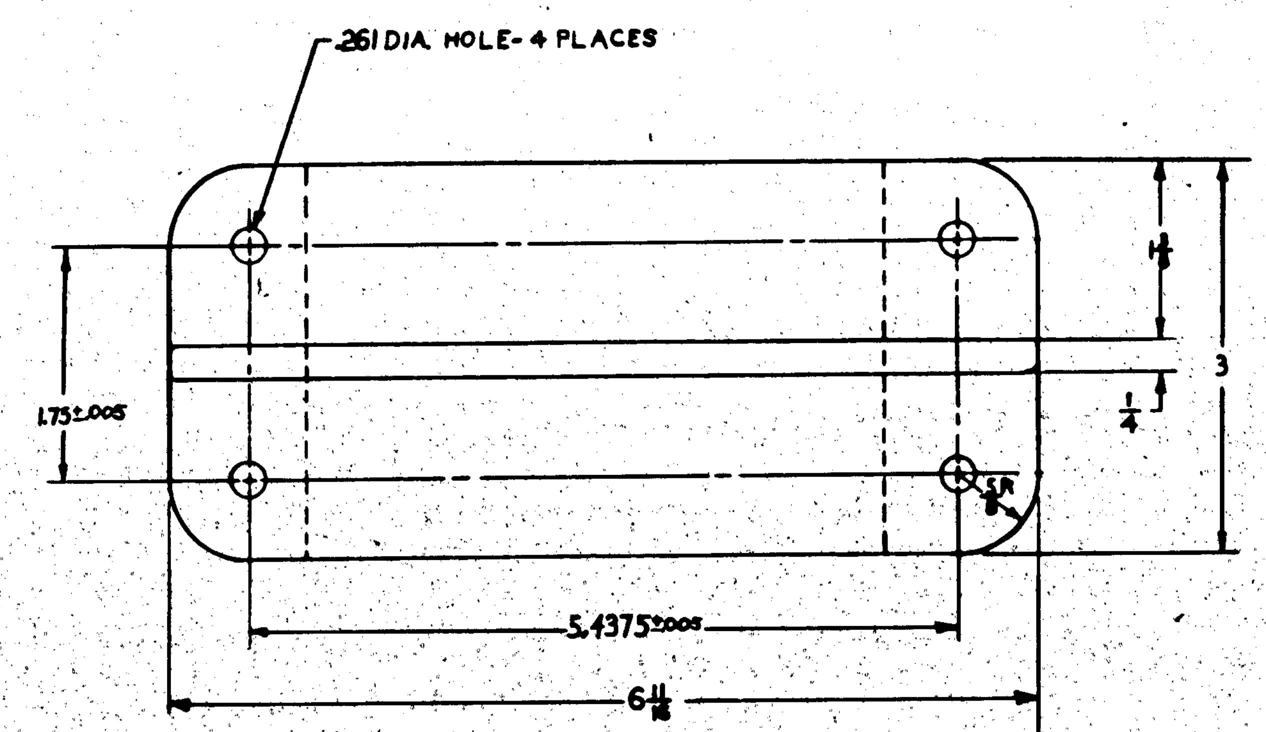
DWG. SIZE G 28F7613

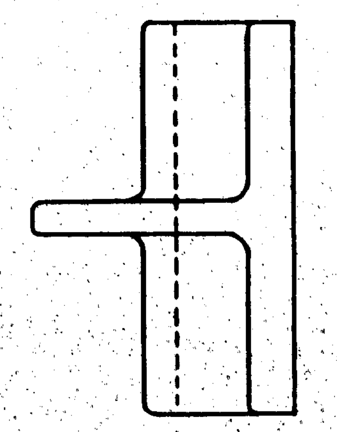
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

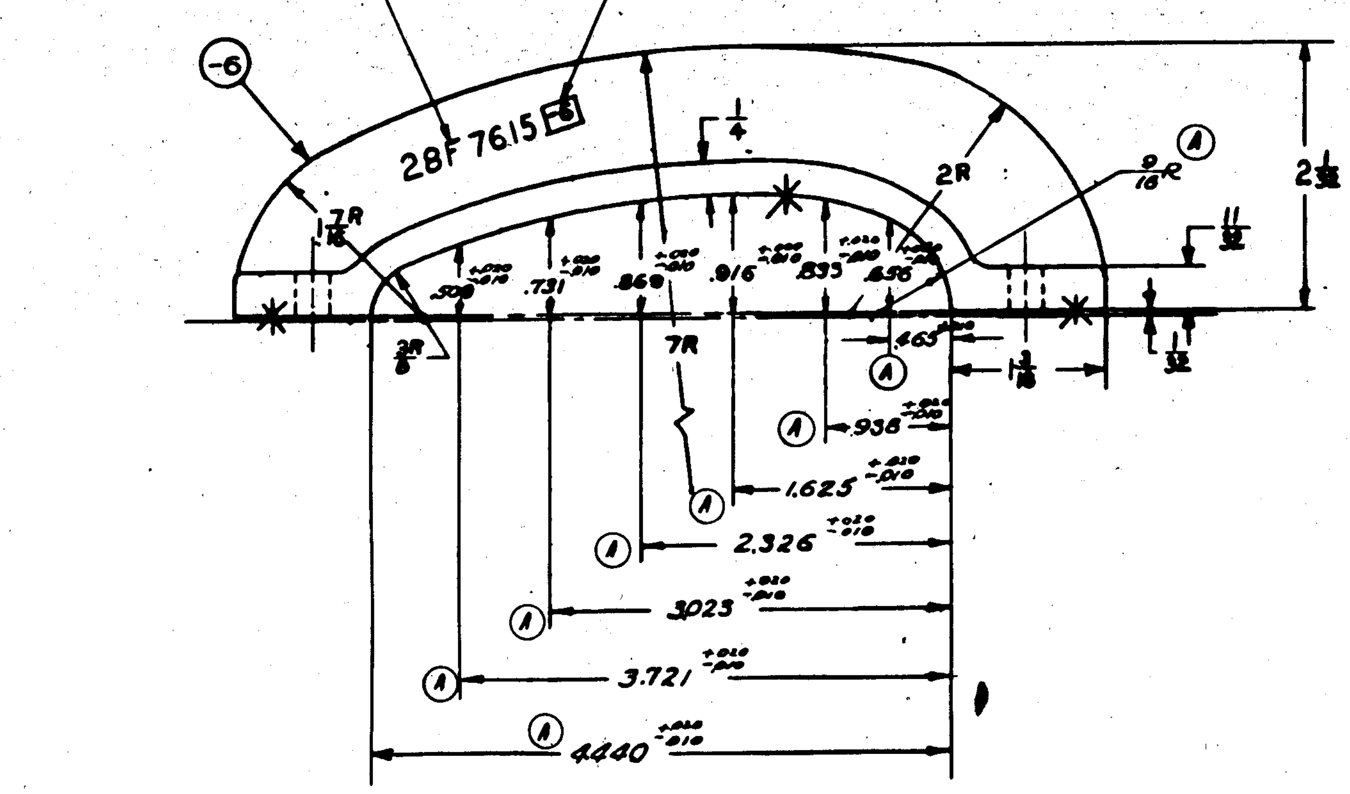
APPROVED FOR TOOLING BY Gorsline 7-11-43

R 28F7613

LET	ALTERATION	DATE	BY
A	REMOVED DIMENSIONS: [illegible] ADDED DIMENSIONS: [illegible] AND ADDED TOL. FOR SAME OF [illegible] NO WT. CHG.	[illegible]	[illegible]







NOTES:
1. ALL FILLETS 1/8 R.
2. ALL ROUNDS 1/8 R.
3. CLASS II INSPECTION.

NOTE: SURFACES INDICATED BY ASTERISK (*) ARE TO RECEIVE A CONVENTIONAL FINISH UNLESS CASTING IS MADE BY PERMANENT MOLD, ANTIOCH, OSBORNE OR EQUIVALENT PROCESS.

APPROVED FOR TOOLING BY
Gershine 7-11-43

A.C.A. 270-1-1

DASH NO.	MODEL	NEXT ASSY.	NO.
-6	PBY-5A	28F7620	2

REQUIREMENTS PER AIRPLANE

REPLACES — .66 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SHOWN: ± 1/64 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	COND. CL I SPEC.
-6 MAKE FROM ROUGH CASTING	ROUGH CASTING	195T4 AL ALL.	AN-QQ-A-390

PARTS LIST PER ASSY.

REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5

A C — NAVY 29,000 #/□ — HEAT TREAT

ZP-GP — FINISH

STEWART 6-24-43 — DRAFT / CHECK / STRUCT / MAT. / APPROV. / ENG.

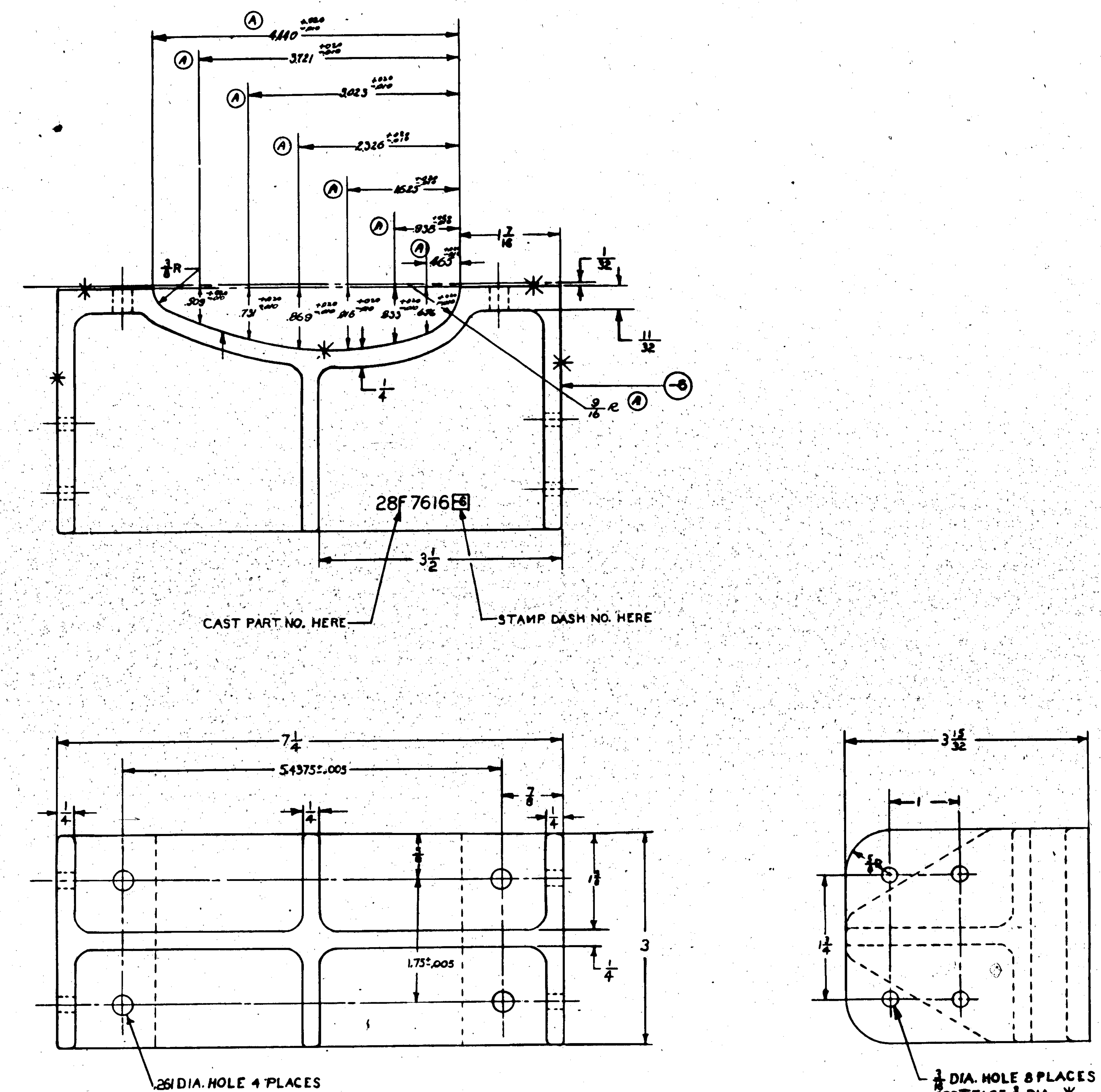
OPP. HAND —

NAME: CLAMP-ASB ANTENNA

DWG. SIZE G — 28F7615

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F7615



NOTES:
1.- ALL FILLETS 1/8 R.
2.- ALL ROUNDS 1/16 R.
3.- CLASS II INSPECTION.

NOTE: SURFACES INDICATED BY ASTERISK (*) ARE TO RECEIVE A CONVENTIONAL FINISH UNLESS CASTING IS MADE BY PERMANENT MOLD, ANTIOCH, OSBRINK OR EQUIVALENT PROCESS.

APPROVED FOR TOOLING BY
Gorsline 7-11-43

A.C.A. 270-1-1 -

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
-6	PBY-5A	28F7620	2

REQUIREMENTS PER AIRPLANE

REPLACES — 1.67 # CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	COND. CL. SPEC.
-6	MAKE FROM ROUGH CAST'G		
-9	ROUGH CASTING	195T4 AL ALL	AN-QQ-A390

PARTS LIST PER ASSY.

REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5

A C / NAVY							
29 000 #/□	ZP-GP	STEWART 6-23-43					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV	ENG.

OPP. HAND ——

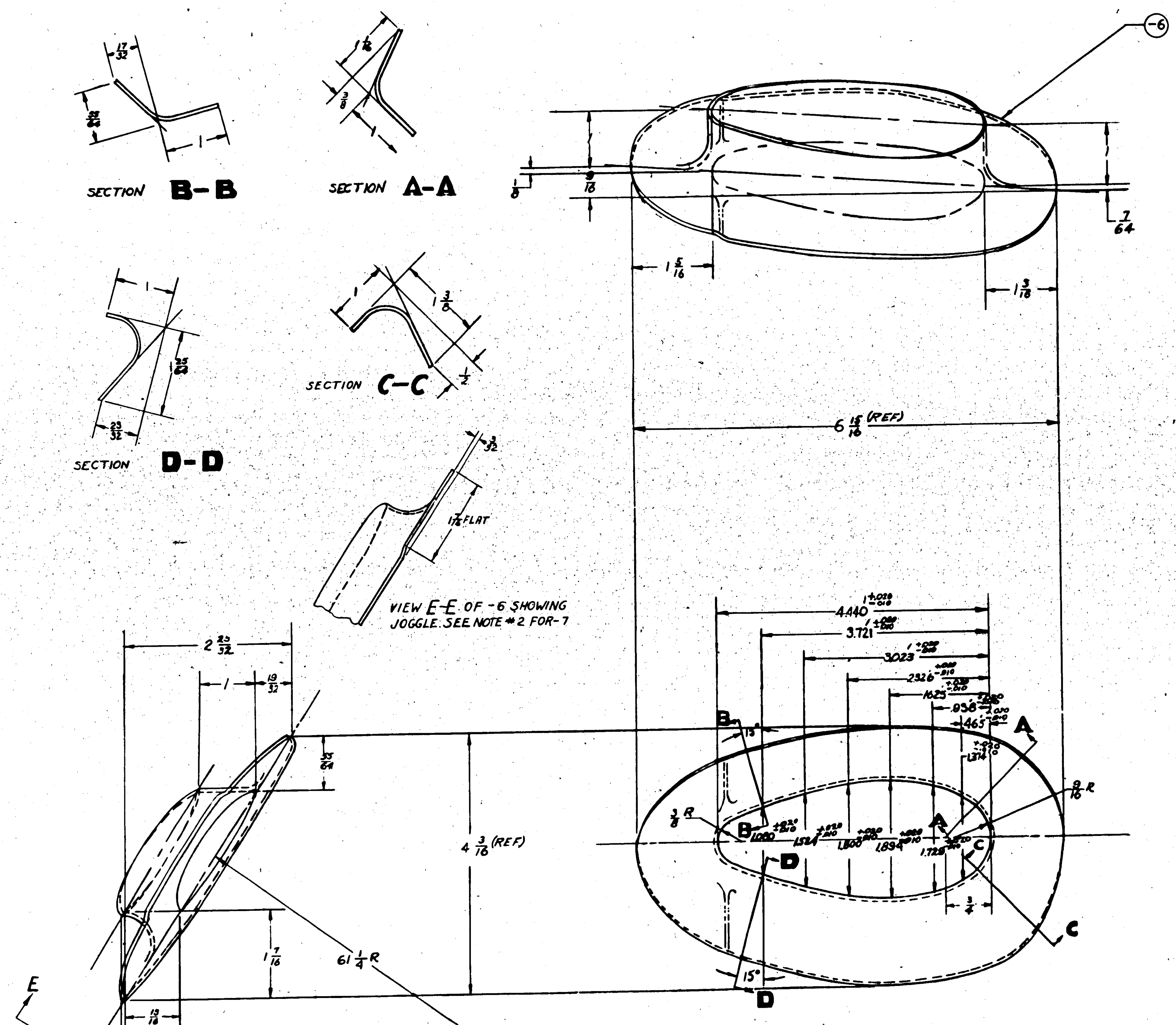
NAME BRACKET-ASB ANTENNA

DWG. SIZE G — 28F7616

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

28F7616 R

LET	ALTERATION	DATE	BY
B	REVISED & REDRAWN REMOVED DIM: 6 $\frac{3}{32}$ (REF), 4.4062, 3.0000, 2.875, 2.3125, .9375, 3/4 R, 1.1875, 1.5625, 1.75, 1.875, 1.6875, 4 $\frac{11}{64}$ (REF) AND ADDED DIM: 6 $\frac{15}{16}$ (REF) 4.440, 3.721, 3.023, 2.326, .938, .465, 1.060, 1.524, 1.800, 1.894, 1.728, 1.374, 9/16 R, 4 $\frac{3}{16}$ (REF) AND ADDED TOL. FOR SAME OF ±.015 NO WT. CHG.	8-3-43	NYMAN
C	ADDED VIEW E-E & CHANGED OTHER VIEWS TO AGREE. ADDED NOTE #2. CHANGED -L & -R TO -6 & -7 IN REQ. PER AIR. BLOCK. REMOVED 28F7620-R FROM OPP. HAND BLOCK. ADDED CALL-OUT FOR -6 ON FACE & IN B/M. ADDED -7 IN B/M. NO WT. CHG.	[illegible]	LEEST
D	IN NOTE #2 "SYMMETRICAL-LY OPPOSITE TO" WAS "SAME AS". NO WT. CHG.	9-9-43	BEARD



NOTES:

1. ALL RADII 1/8 UNLESS OTHERWISE SPECIFIED
2. -7 SYMMETRICALLY OPPOSITE TO -6 EXCEPT FOR OMISSION OF JOGGLE. (D)

APPROVED FOR TOOLING BY Gardline 8-3-43

A.C.A.270-1-1

DASH No.	MODEL	NEXT ASSY.	NO.
-7	PBY-5A	28F7620	1
-6	PBY-5A	28F7620	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F7619 OF 7-1-43 — CALC. WT. .17

TOLERANCES: ± 1/32 & ± 1/2° — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-7	.051 X 9 X 12	ALCLAD SHT	QQ-A-362T
-6	.051 X 9 X 12	ALCLAD SHT	QQ-A-362T

PARTS LIST PER ASSY.

HEAT TREAT: — FINISH: ZP-GP

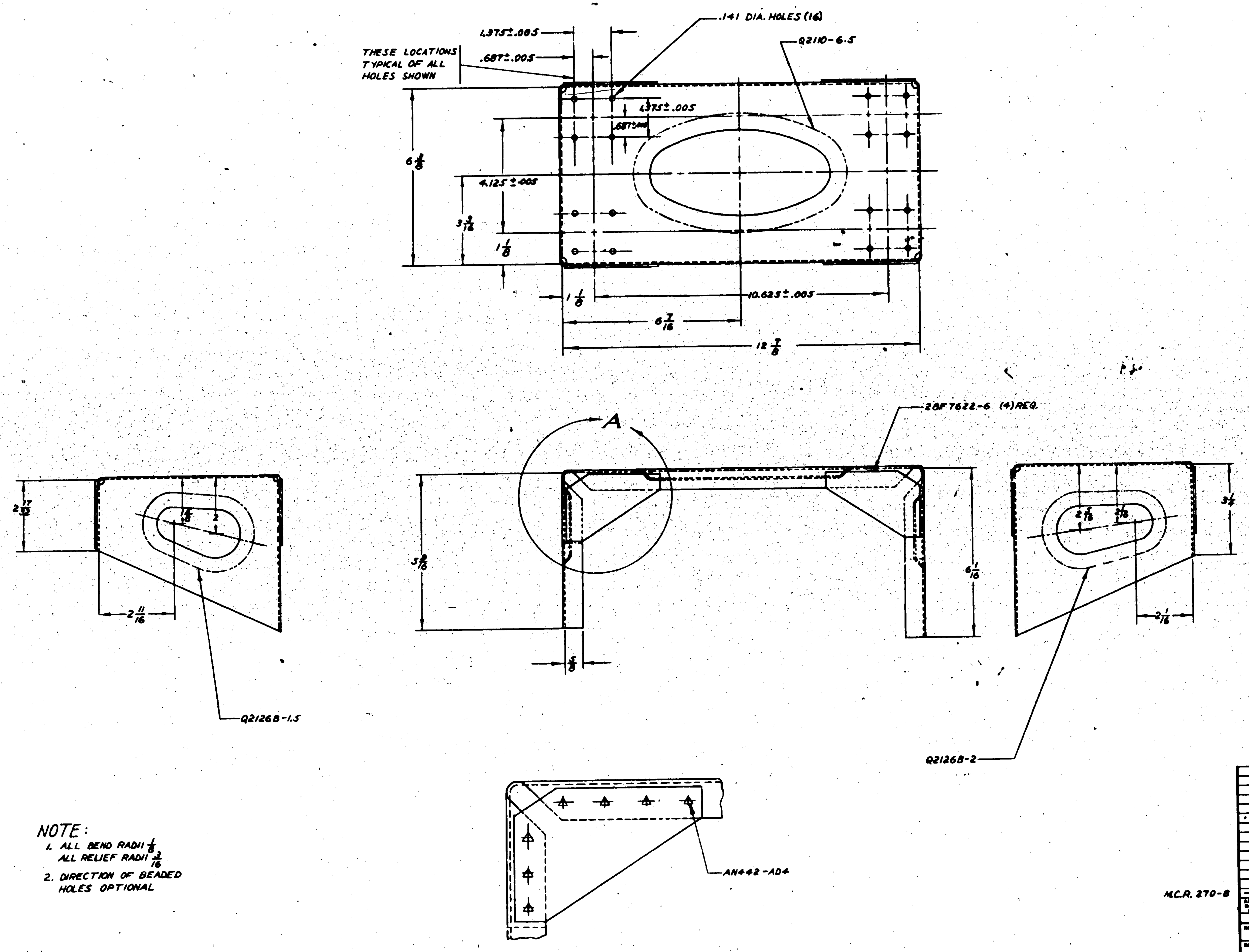
DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NYMAN 8-2-43	FEECK 7-13-43	BAIRD 7-16-43	DELANEY 7-17-43	M^c VIC	KRUK

NAME: FAIRING - ASB ANTENNA TO HULL

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F7619

R



DETAIL A (TYPICAL OF ALL 4 CORNERS)
SCALE - 12" = 1'0"

NOTE:
1. ALL BEND RADII 1/8
   ALL RELIEF RADII 3/16
2. DIRECTION OF BEADED HOLES OPTIONAL

M.C.R. 270-B

APPROVED FOR TOOLING BY
Gassline 7-6-43

-0	PBY-5A	28F7623	1
ASSY DASH NO.	MODEL	NEXT ASSY	NO.

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.
AN442-AD4			
28F7622-6			
-0	.040×24ST ALCLAD		QQ-A-362

PARTS LIST PER ASSY.

NAVY NONE — HEAT TREAT
Z-P-GP — FINISH
OPP. HAND NONE

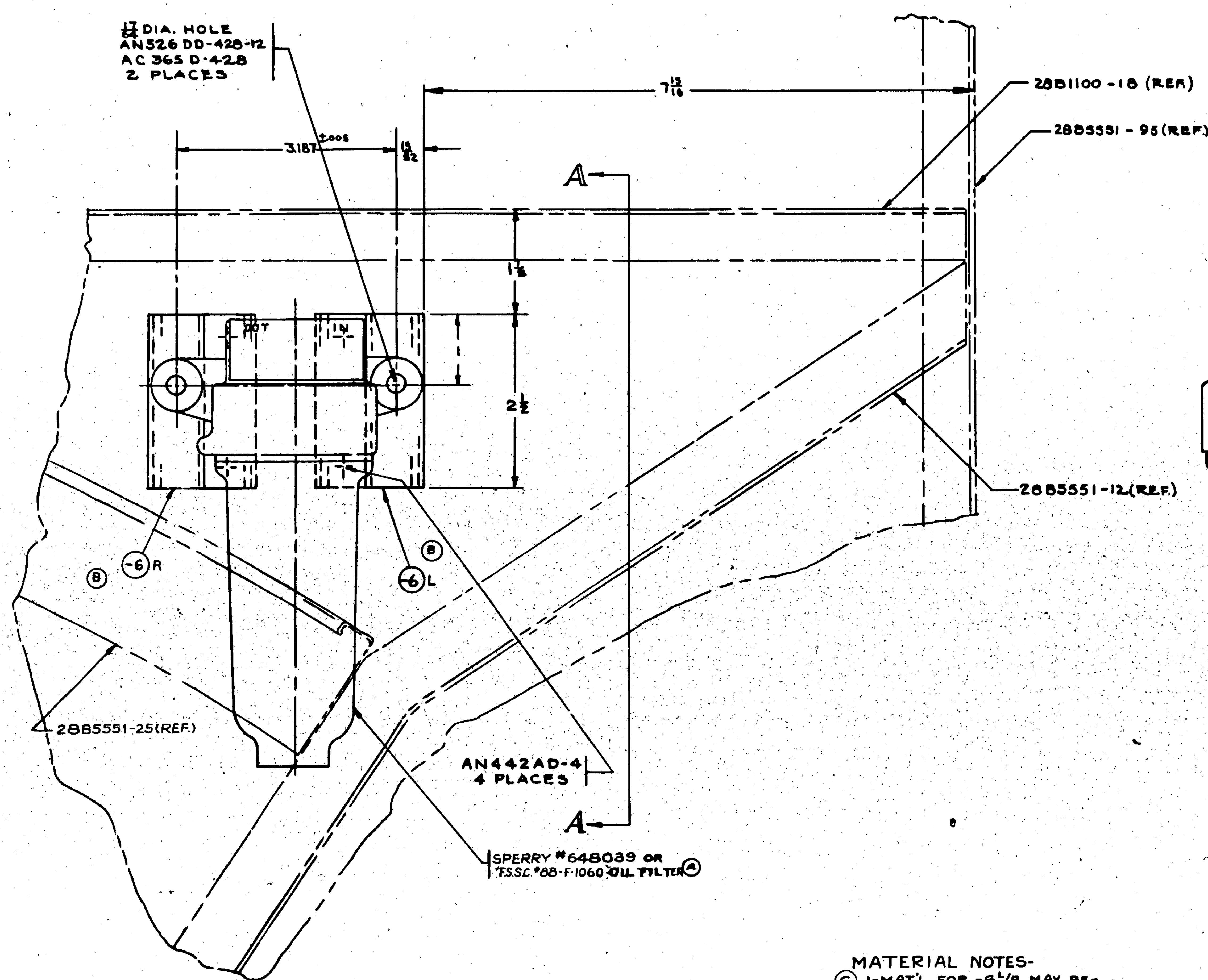
NAME BASE - ASB RECTIFIER POWER UNIT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

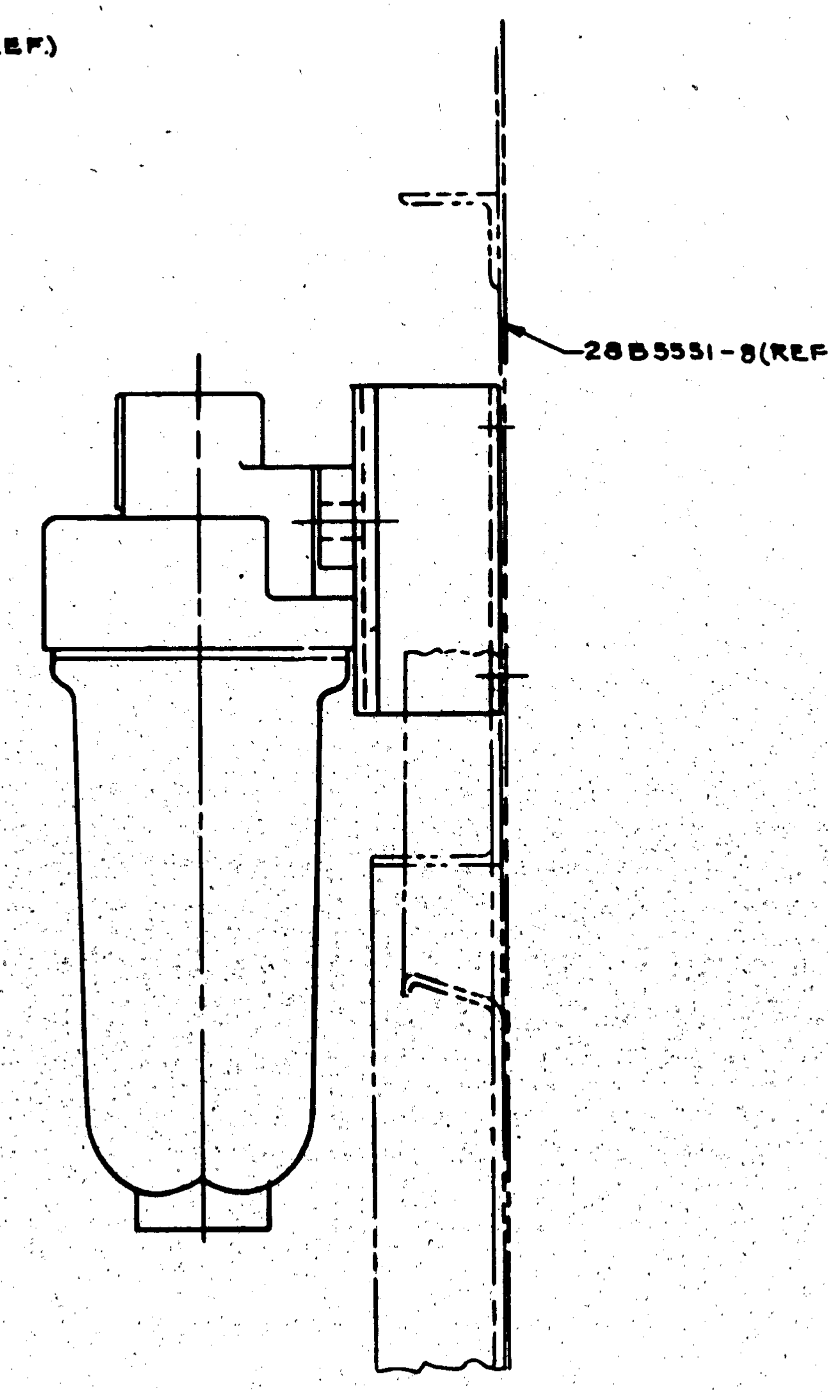
G 28F7621

R 28F7621

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A.	ON FACE & B/M CHGD SPERRY #648039 OR #647882 TO SPERRY #648039, FSSC #88-F-1060 OIL FILTER. NO WT. CHG.	7-17-43	[illegible]
				B	-6 L/R (1 EA) WAS -6(2) NO WT. CHG.	7-29-43	[illegible]
				C	IN B/M, FOR -6 L/R, REPLACED "Y-36-A28T x 2 5/8" WITH "NOTED" TO FACE ADDED MAT'L NOTE #1. NO WT. CHG.	8-24-43	R.[illegible]



PORT SIDE B'LKH'D. #1
LOOKING FWD.



VIEW A A

MATERIAL NOTES-
(C) 1- MAT'L. FOR -6 L/R MAY BE-
(A) Y-36-A28T X 2 5/8, OR
(B) K11270 X 2 5/8, AL. AL. EXTR., SPEC. QQ-A-354-T.

C. NO 2(S) 464

APPROVED FOR TOOLING BY
[signature] 7/1-43

* GOV'T. FURN'D EQUIP.

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN442AD-4								
AC365D-428				2				
AN526DD-428-12				2				
*SPERRY #648039 (FSSC #88-F-1060) FILTER				1				
-6R	NOTED	NOTED	NOTED	1				
-6L	NOTED	NOTED	NOTED	1				

PARTS LIST PER ASSY.

	MODEL	NEXT ASSY.	NO.
	PBY-5A	28F6716	1

REQUIREMENTS PER AIRPLANE

REPLACES — .85 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE
STAMP PART NUMBER [illegible]

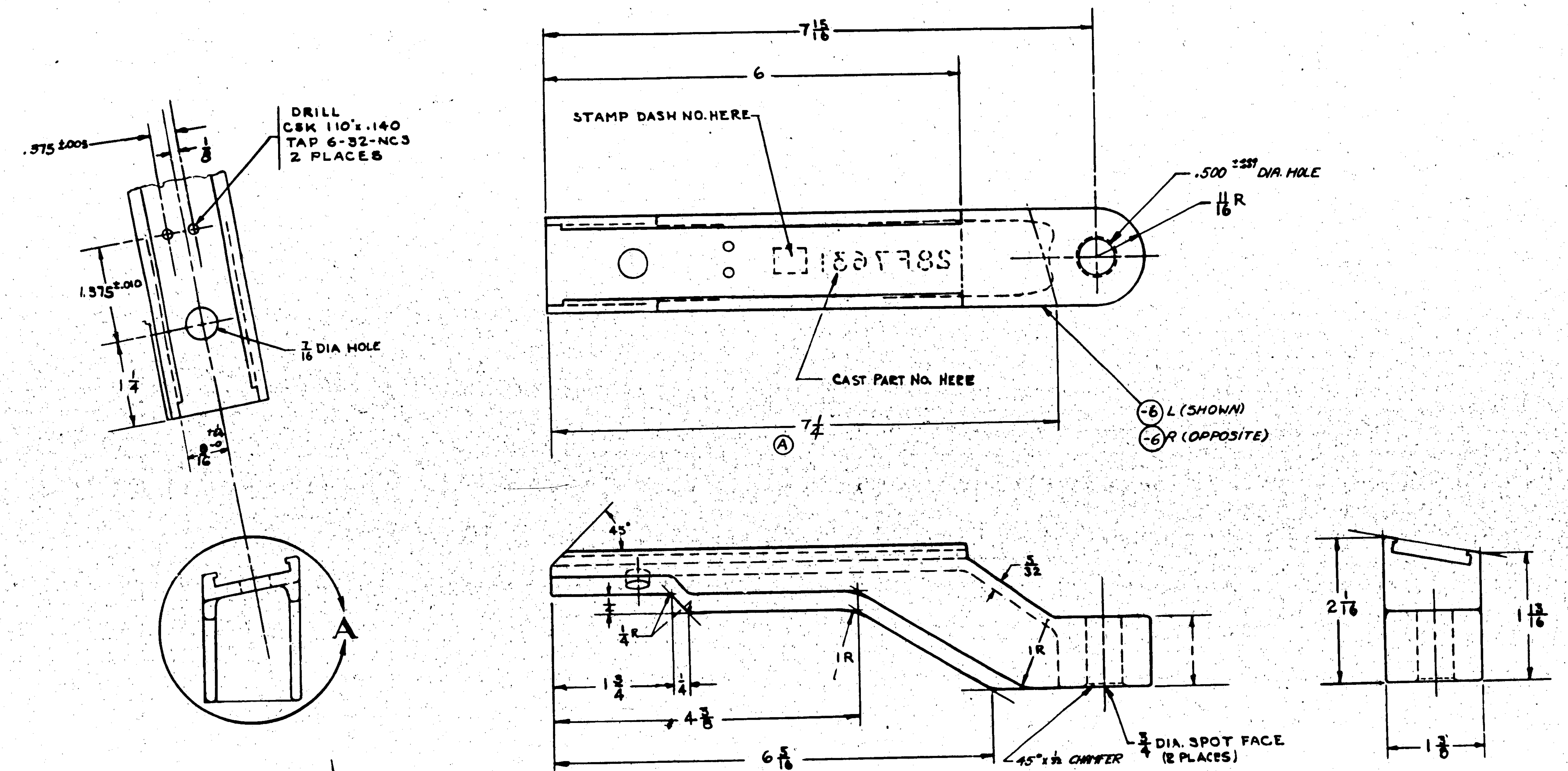
A C
NAVY NONE — HEAT TREAT
Z-P-GP — FINISH
DRAFT COLLINS — CHECK — STRUCT — MAT. — APPROV. — ENG.

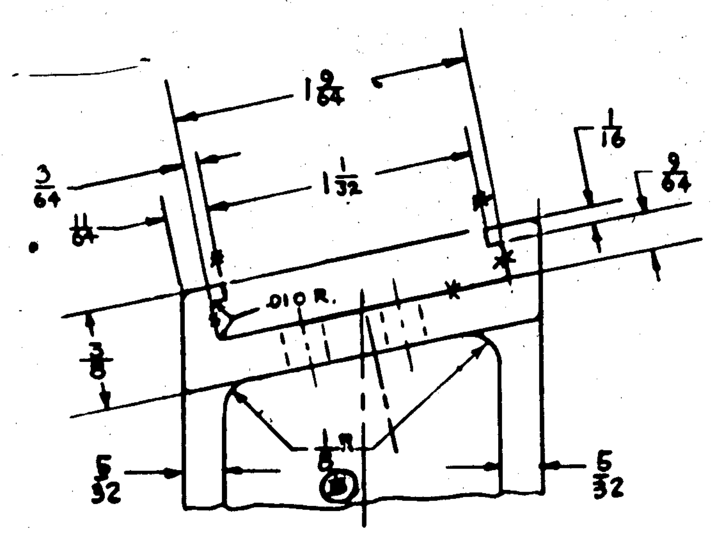
NAME INSTALL'N.
SPERRY OIL FILTER
CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

OFF. HAND
DWG. SIZE G — 28F7625

R 28F7625

LET	ALTERATION	DATE	BY
A	ON FACE OF DWG ADDED 7 1/4" DIM. & INTERSECTION LINE FOR LOC. NOW TCH	[illegible]	[illegible]
B	ADDED DIM. 1/8 R. FOR FILLET SHOWN ON DETAIL "A" [illegible]	[illegible]	[illegible]
C	ON FACE OF DWG. ADDED 45° X 1/8 CHAMFER. .500 DIA HOLE WAS 1/2 DIA. HOLE [illegible]	[illegible]	[illegible]





DETAIL A

SCALE 24"=1'-0"

GENERAL NOTES:

#1. FILLETS NOT OTHERWISE SHOWN ARE TO BE 3/16 RADIUS.

#2. BREAK SHARP CORNERS NOT OTHERWISE SHOWN 1/32 RADIUS.

#3. CLASS II INSPECTION

MCR 270-10

APPROVED FOR TOOLING BY GORSLINE 7-16-43

NOTE: SURFACES INDICATED BY ASTERISK (*) ARE TO RECEIVE A CONVENTIONAL FINISH UNLESS CASTING IS MADE BY PERMANENT MOLD, ANTIOCH, OSBORN OR EQUIVALENT PROCESS

ASSY. DASH No.	MODEL	NEXT ASSY.	No.
-6L	PBY-5A	28F7635	1
-6R	PBY-5A	28F7635	1

REQUIREMENTS FOR AIRPLANE

REPLACES — CALC. WT. .62

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12"=1'-0" (NOTED)

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-6R	MAKE FROM 28 F7631-R		
-6L	MAKE FROM 28 F7631-L		
*	ROUGH CASTING	AL. ALLOY	AN-QQ-394

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

A C			
NAVY 34,000 #/□	Z-P-GP		
HEAT TREAT	FINISH		

DRAFT: COLLINS 7-2-43 — CHECK 7-17-43 — STRUCT — MAT — APPROV — ENG.

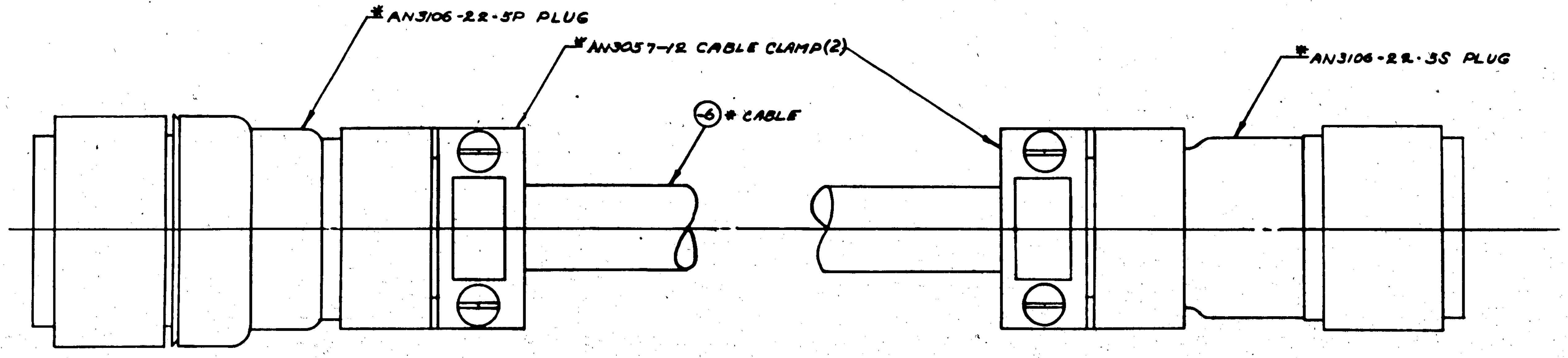
NAME: CASTING- ASB INDICATOR SUPPORT

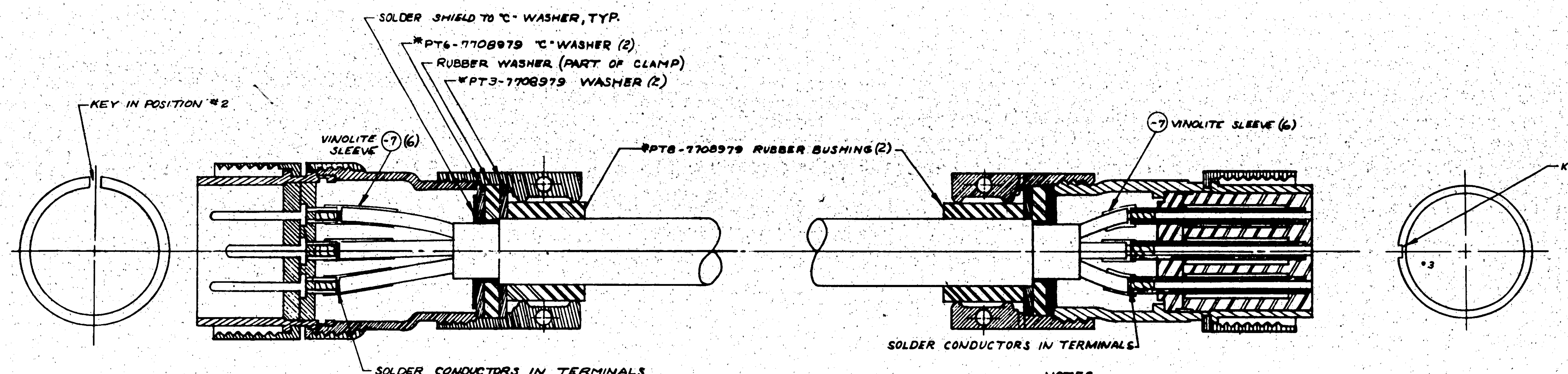
OPP. HAND 28F7631-R

DWG. SIZE G — 28F7631

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

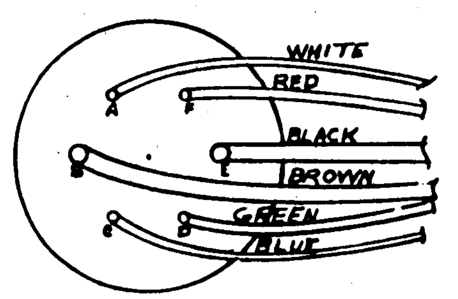
LET	ALTERATION	DATE	BY
A	ON FACE OF DWG. ADDED NOTE 4 NO WT. CHG	[illegible]	[illegible]
B	ON FACE OF DWG. AT VIEW TITLED "STRIPPING DETAIL" DIM. 1 WAS 2 & DIM. 1¼ WAS 2½. IN P/L FOR -6 LENGTH X71 WAS X 66. & AN3106-22-5P POS. 2 PLUG & AN 3106-22-5S POS. 2 PLUG WERE AN3106-22-5P PLUG & AN3106-22-5S PLUG. ON FACE (AT EXTREME LEFT HAND SIDE) "KEY IN POS. #2" WAS "KEY IN POS. #2 TYP." ADDED VIEW SHOWING KEY IN POS. #4. FOR SECTION VIEW OF AN 3106-22-5P PLUG MIDDLE PIN WAS LONGER THAN THE TWO REMAINING PINS. WT. CHG. NEG.	3-12-43	[illegible]
C	ADDED NOTE #5. (MCR 270-C-1) NO WT. CHG.	10-8-43	[illegible]



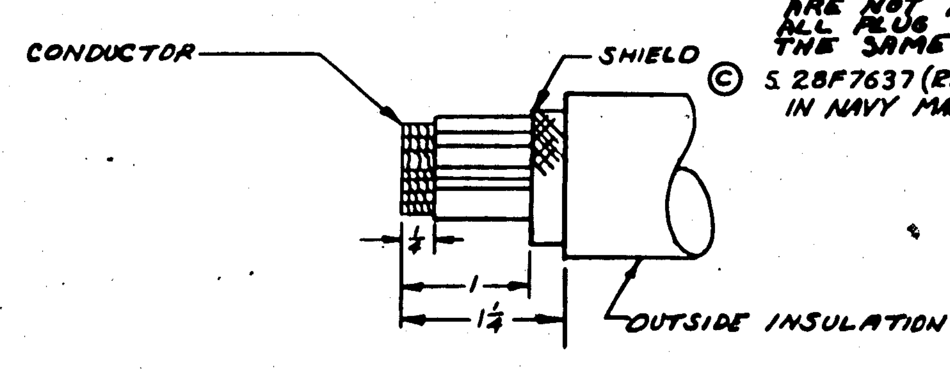


NOTES-

1. ASTERISK (*) DENOTES GOVERNMENT FURNISHED EQUIPMENT.
2. GIVEN LENGTH OF CABLE IS APPROXIMATE. CORRECT LENGTH TO BE DETERMINED ON FIRST INSTALLATION & ENGINEERING NOTIFIED.
3. C.V.A.C. # SL-6 MAY BE PURCHASED FROM W.E. BRAND CARE OF FOX ASSOCIATES, LOS ANGELES, CALIFORNIA, VENDORS # 8 OR EQUIVALENT.
4. THIS IS A TYPICAL PLUG ASSEMBLY. INSERTS & BUSHINGS MAY BEAR DIFFERENT NUMBERS BECAUSE OF DIFFERENT VENDORS AND ARE NOT PHYSICALLY IDENTICAL. HOWEVER, ALL PLUG SHELLS & CLAMPS MUST HAVE THE SAME NUMBER.
5. (C) 28F7637 (REF) CORRESPONDS TO CABLE #2 IN NAVY MANUAL (ASB-6,4-7).



WIRE TO PLUG CONNECTION



STRIPPING DETAIL TYP. BOTH ENDS

MCR 270-11

APPROVED FOR TOOLING BY [signature] 7/17-43

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
*PT8-7708979	RUBBER BUSHING			2				
*PT6-7708979	"C" WASHER			2				
*PT3-7708979	WASHER			2				
*AN3057-12	CABLE CLAMP			2				
*AN3106-22-3S	POS. 2 PLUG			1				
*AN3106-22-5P	POS. 2 PLUG			1				
-7	CVAC # SL-6 x 1¼	VINOLITE SLEEVE		12				
* -6	CPW62041	CABLE X 71		1				

PARTS LIST PER ASSY.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6953	1

REQUIREMENTS PER AIRPLANE

REPLACES: | CALC. WT.: L89
REPLACED BY: | ACT. WT.:
SCALE: SKETCH
STAMP PART NUMBER WHERE SHOWN

A C:
NAVY: NONE — HEAT TREAT
NONE — FINISH
DRAFT / CHECK / STRUCT / MAT / APPROV / ENG.: [signatures] 6/24/43, 7-2-43
OPP. HAND: NONE

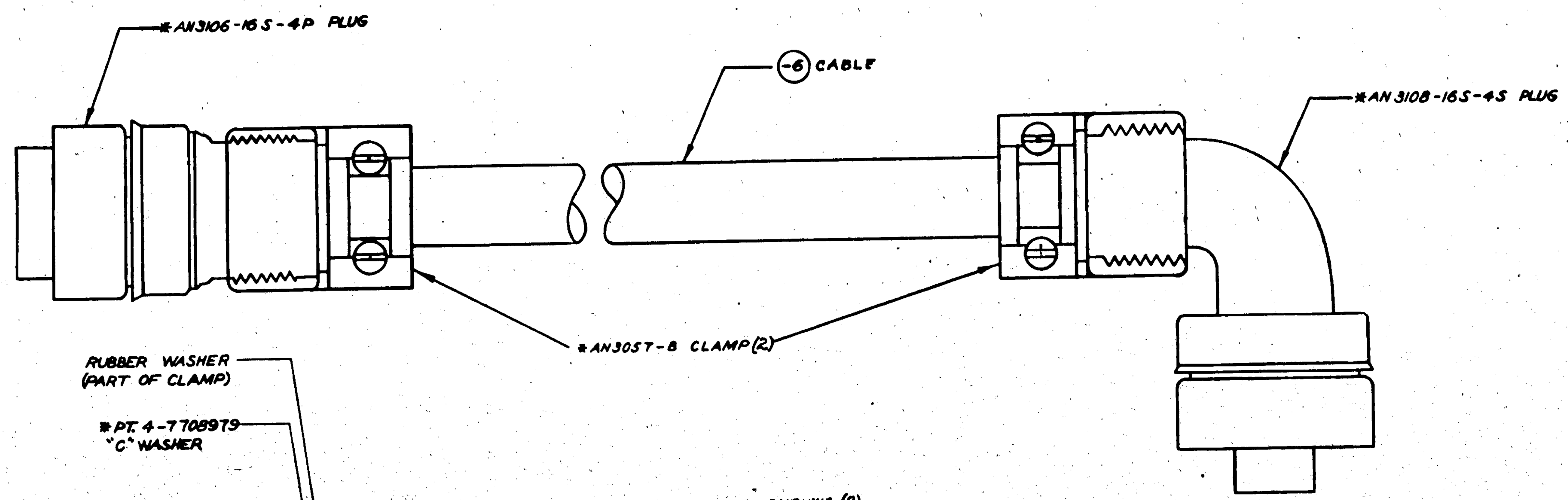
NAME: CABLE - ASB CONTROL UNIT TO RECT. POWER UNIT

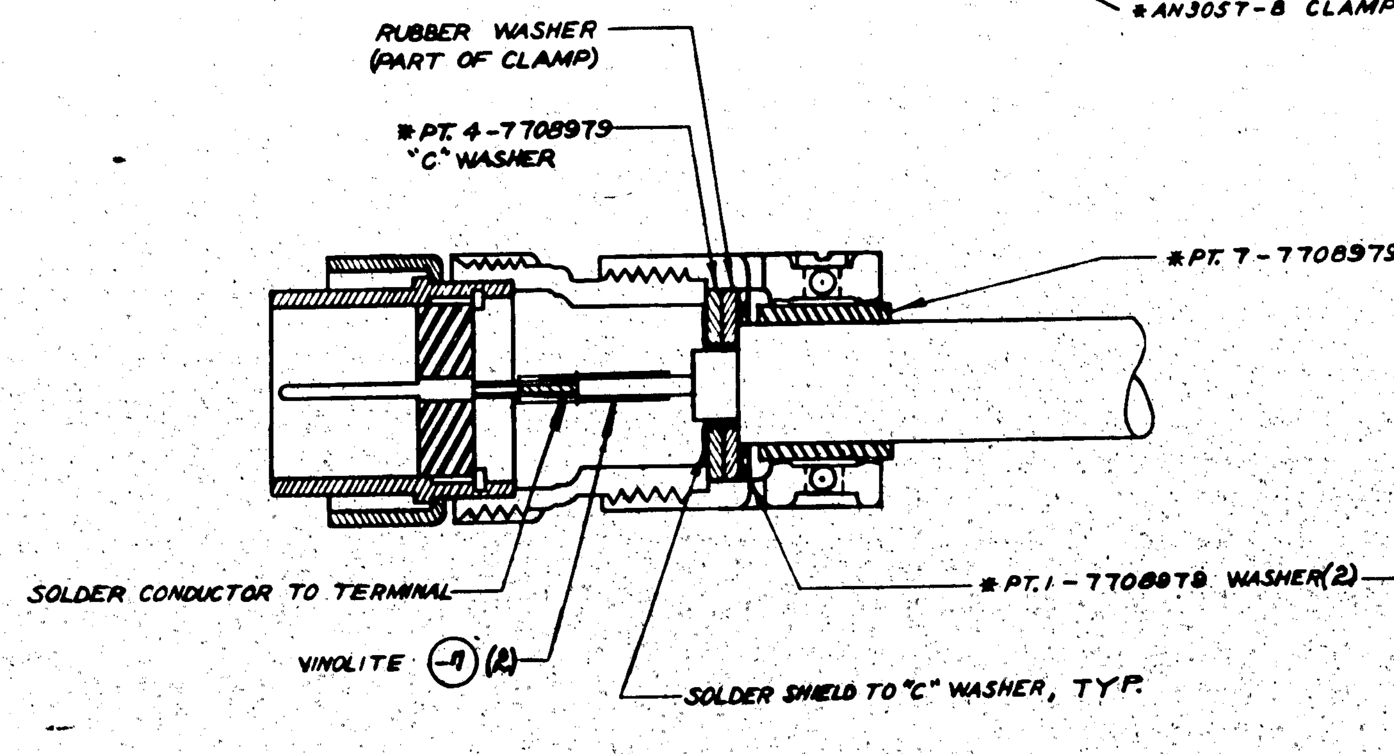
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SIZE: G | DWG. 28F7637

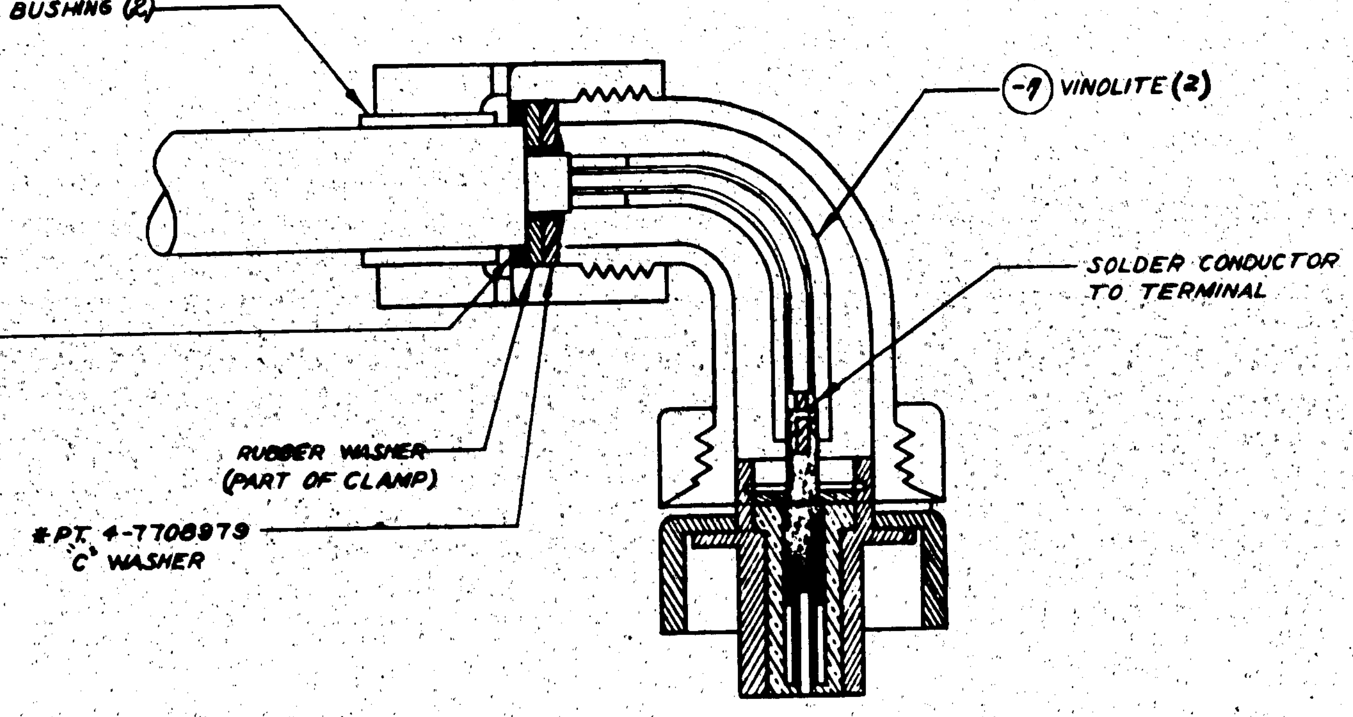
R 28F7637

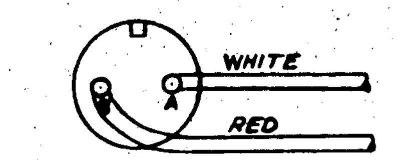
LET	ALTERATION	DATE	BY
A	ON FACE OF DWG ADDED NOTE 4. NO WT. CNG	[illegible]	[illegible]
B	ON FACE DIM'S, 1¼ WAS 2¼, 1½ WAS 2½, ¼ WAS 1½ & 1 WAS 1¼. ADDED KEYING VIEW OF FEMALE PLUG AN3108-16S-4S. IN B/M FOR -6 "CABLE x64" WAS "CABLE x60" WT. CNG. NEG.	[illegible]	[illegible]
C (MCR 270-C-1)	ADDED NOTE #5. NO WT. CNG.	10-8-45	[illegible]



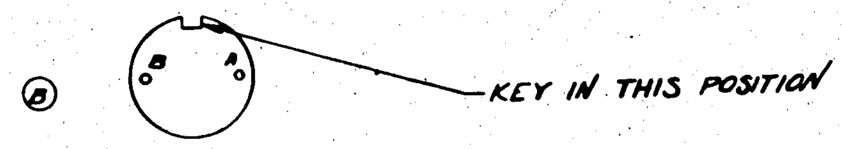


SECTION VIEW OF AN3106-16S-4P PLUG

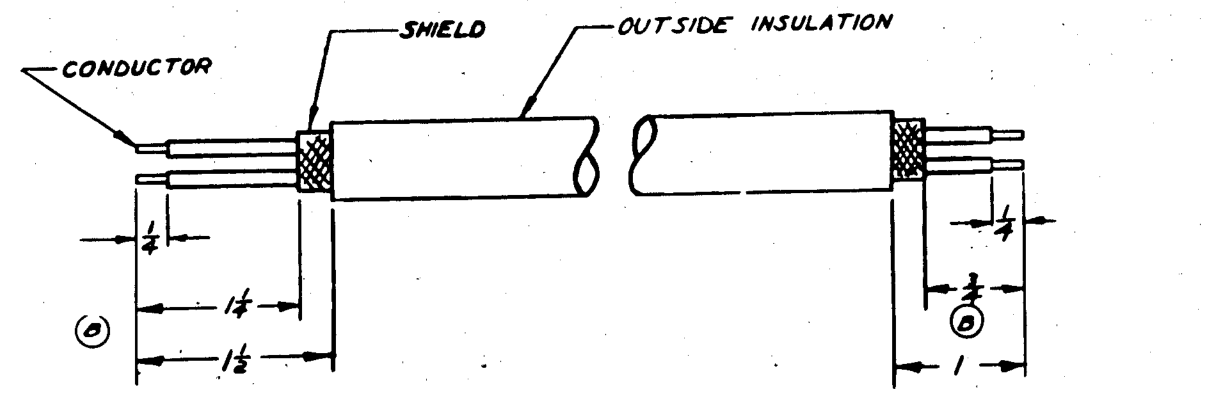




WIRE TO PLUG CONNECTION



SECTION VIEW OF AN3108-16S-4S PLUG



STRIPPING DETAIL FEMALE END

STRIPPING DETAIL MALE END

NOTES:

1. ASTERISK (*) DENOTES GOVERNMENT FURNISHED EQUIPMENT.
2. GIVEN LENGTHS OF CABLE ARE APPROXIMATE. CORRECT LENGTH TO BE DETERMINED ON FIRST INSTALLATION & ENGINEERING NOTIFIED.
3. C.V.A.C. #SL-6 VINOLITE SLEEVE MAY BE PURCHASED FROM WM. BRAND, % FOX ASSOCIATES, LOS ANGELES, CALIF. VENDOR'S NO. 8 OR EQUIV.
4. THIS IS A TYPICAL PLUG ASSEMBLY. INSERTS & BUSHINGS MAY BEAR DIFFERENT NUMBERS BECAUSE OF DIFFERENT VENDORS AND ARE NOT PHYSICALLY IDENTICAL. HOWEVER, ALL PLUG SHELLS & CLAMPS MUST HAVE THE SAME NUMBER.

(C) 5. 28F7639 (REF) CORRESPONDS TO CABLE #4 IN NAVY MANUAL (ASB-6, -7)

M.O.R. 270-11

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
1	PBY-5A	28F6955	1

REQUIREMENTS PER AIRPLANE

	PART No	STOCK	REQ. -0
*	PT. 1-7708979 WASHER		2
*	PT. 4-7708979 C WASHER		2
*	PT. 7-7708979 BUSHING		2
*	AN3108-16S-4S PLUG		1
*	AN3106-16S-4P PLUG		1
*	AN3057-8 CLAMP		2
	-7	C.V.A.C. # SL-6 x 1¼ VINOLITE SLEEVE	4
*	-6	CPW62043 CABLE x64	1

PARTS LIST PER ASSY.

REPLACES — CALC. WT. .74#

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE SKETCH

STAMP PART NUMBER WHERE SHOWN

AC — NAVY NONE — HEAT TREAT — NONE — FINISH

DRAFT 6-29-43 — CHECK 7-1-43 — STRUCT. — MAT. — APPROV. — ENG.

OPS. BAND NONE

NAME CABLE-ASB ANTENNA SWITCHING UNIT TO RECTIFIER POWER UNIT

SIZE G — DWG. 28F7639

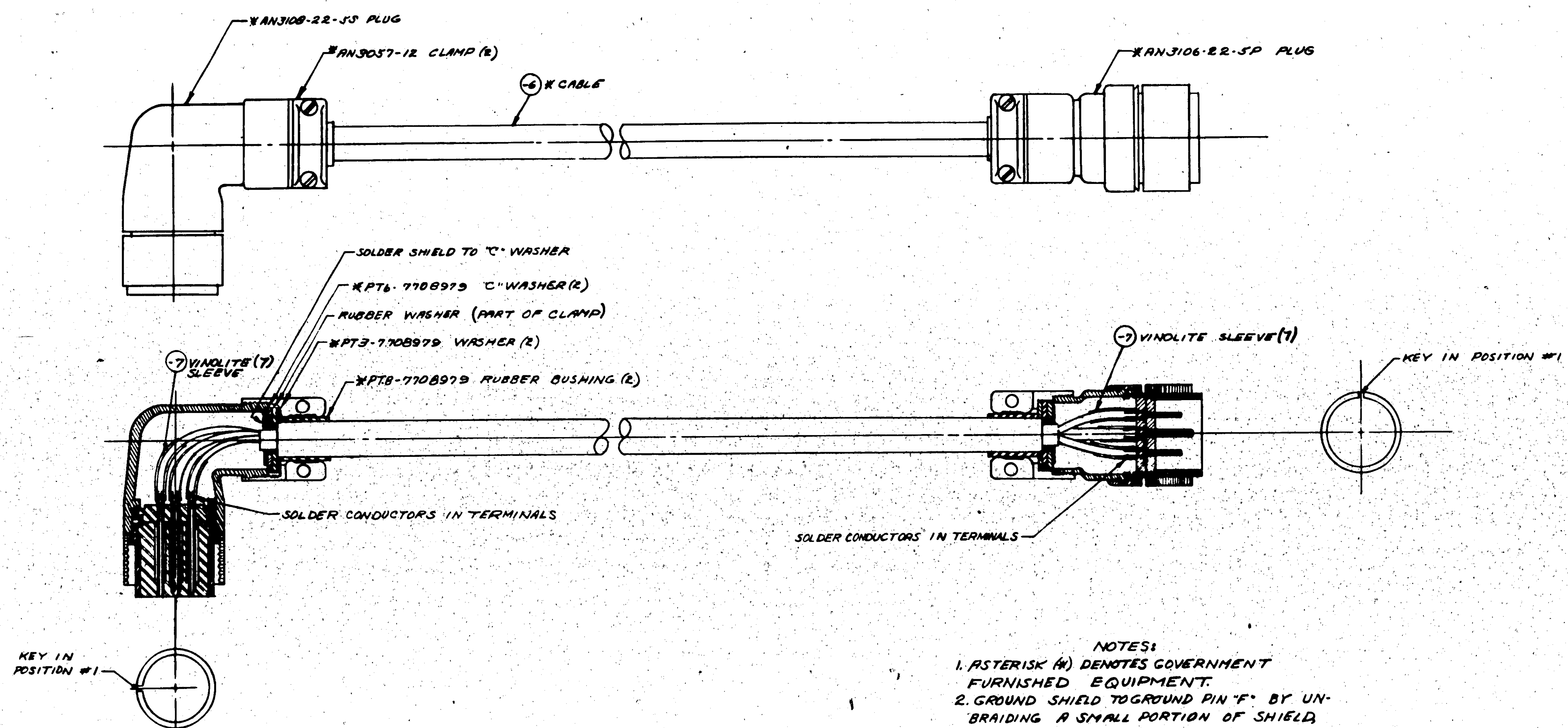
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

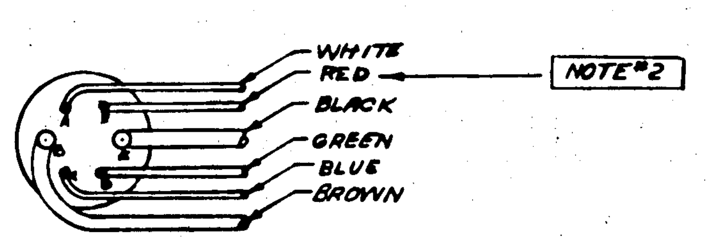
APPROVED FOR TOOLING BY Gosling 7-17-43

R

28F7639

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	ON FACE OF DWG		
					ADDED NOTE 5 NO WT. CHG.		
				B	ON FACE OF DWG. FOR VIEW TITLED "STRIPPING DETAIL FEMALE END" DIM. 2 WAS 3½ & DIM. 2¼ WAS 3¾ & FOR VIEW TITLED "STRIPPING DETAIL MALE END" DIM. 1 WAS 2 & DIM. 1½ WAS 2½. IN S/L FOR -6 LENGTH X 84 WAS X 74		
				(MCR 270-C-1)	WT. CHG. NEG.		
				C	ADDED NOTE #6. NO WT. CHG.		



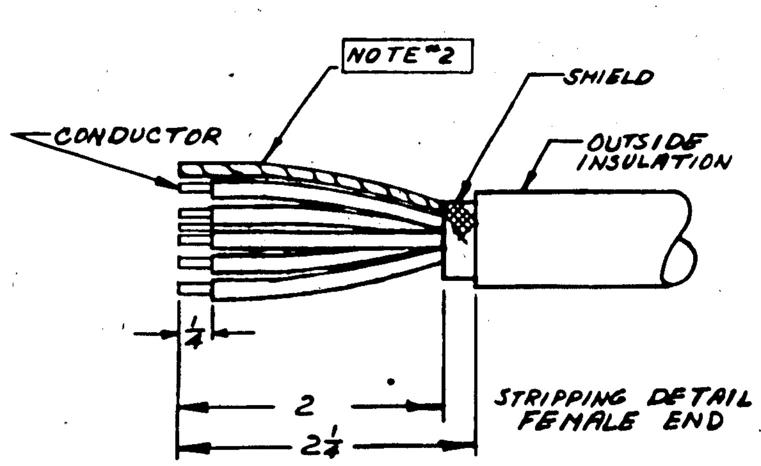


WIRE TO PLUG CONNECTION

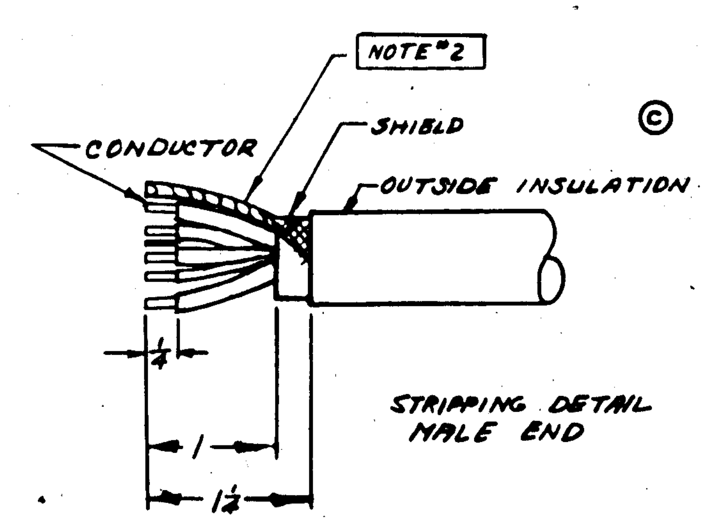
NOTES:

1. ASTERISK (*) DENOTES GOVERNMENT FURNISHED EQUIPMENT.
2. GROUND SHIELD TO GROUND PIN "F" BY UNBRAIDING A SMALL PORTION OF SHIELD, TWIST TOGETHER, RUN THROUGH VINOLITE SLEEVE & SOLDER END TO PIN "F" WITH RED WIRE AT EACH PLUG.
3. GIVEN LENGTH OF CABLE IS APPROXIMATE. CORRECT LENGTH TO BE DETERMINED ON FIRST INSTALLATION & ENGINEERING NOTIFIED.
4. C.V.A.C. #SL-6 MAY BE PURCHASED FROM WM. BRAND, CARE OF FOX ASSOCIATES, LOS ANGELES, CALIFORNIA, VENDOR'S #8 OR EQUIVALENT.
5. THIS IS A TYPICAL PLUG ASSEMBLY. INSERTS & BUSHINGS MAY BEAR DIFFERENT NUMBERS BECAUSE OF DIFFERENT VENDORS AND ARE NOT PHYSICALLY IDENTICAL. HOWEVER, ALL PLUG SHELLS & CLAMPS MUST HAVE THE SAME NUMBER.
6. 28F7641 (REF) CORRESPONDS TO CABLE #5 IN NAVY MANUAL (ASB-6, & -7).

MCR 270-11



STRIPPING DETAIL FEMALE END



STRIPPING DETAIL MALE END

APPROVED FOR TOOLING BY
[signature] 7/17-43

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
*PT8-7708979 RUBBER BUSHING				2				
*PT6-77089-79 "C" WASHER				2				
*PT3-7708979 WASHER				2				
*AN3057-12 CLAMP				2				
*AN3108-22-SS PLUG				1				
*AN3106-22-SP PLUG				1				
-7	CVAC #SL-6 X 1½ VINOLITE SLEEVE			14				
*-6	CPW62091 X 84 CABLE			1				

PARTS LIST PER ASSY.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F5955	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.69# CALC. WT.

REPLACED BY — ACT. WT.

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

A C
NAVY: NONE — HEAT TREAT
NONE — FINISH
DRAFT: Wright 7-43 | CHECK | STRUCT | MAT. | APPROV | ENG.

NAME: CABLE - RECTIFIER POWER UNIT TO ASB RCVR

OPP. HAND: NONE

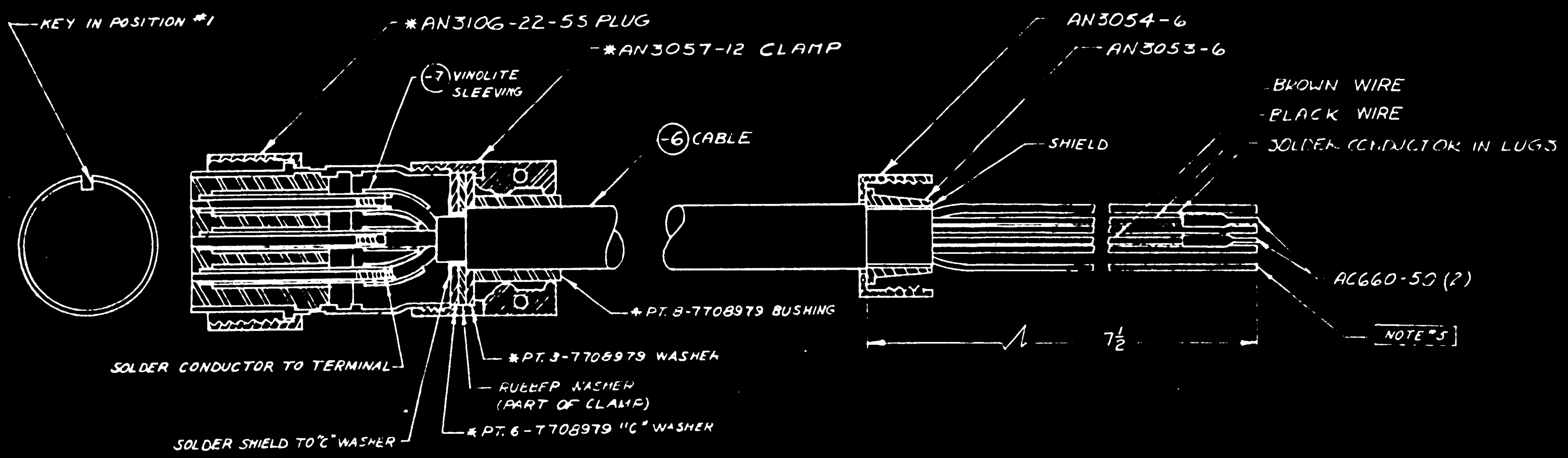
DWG. SIZE: G — 28F7641

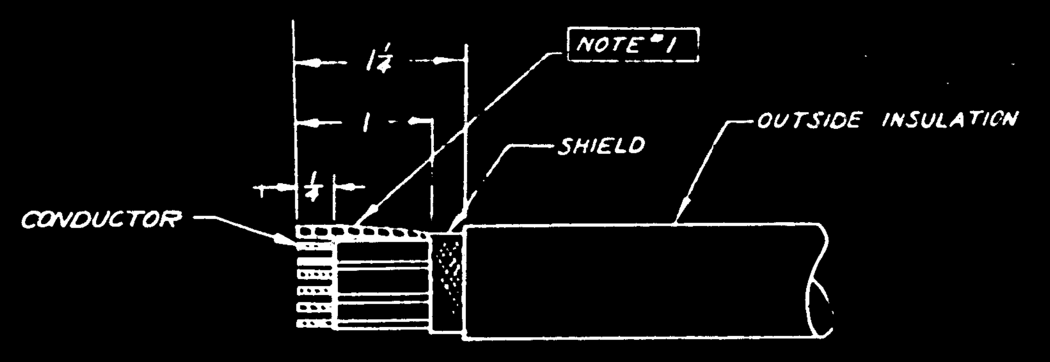
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F7641

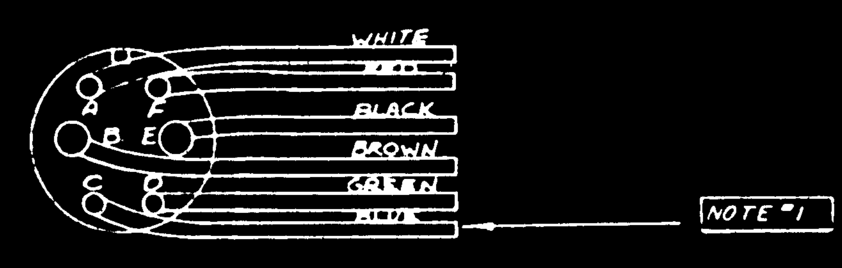
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED NOTE 6: THIS IS A ------ THE SAME NUMBER. NO WT CHG	9-4-43	[illegible]				
B	ON FACE AT SECTION VIEW OF AN3054-6, VIEW SHOWED SHIELDING PROTRUDING PAST END OF PLUG. ON FACE FOR STRIPPING DETAIL DIM 1¼ WAS 2¼ (DIM 1 WAS 2. IN "/M FOR -6 "X 53¼" WAS "X 48". WT.CHG	2-10	[illegible]				
C	ADDED NOTE #7, NO WT.CHG	12-48	[illegible]				

MCR #270 C-1





STRIPPING DETAIL FOR PLUG END



WIRE TO PLUG CONNECTION

NOTES:

1. GROUND SHIELD TO GROUND PIN "C" BY UNBRAIDING A SMALL PORTION OF SHIELD, TWIST TOGETHER, RUN THROUGH VINOLITE SLEEVE AND SOLDER END TO PIN "C" WITH BLUE WIRE.
2. ASTERISK * DENOTES GOVT. FURNISHED EQUIPMENT.
3. C.V.A.C. #SL-6 MAY BE PURCHASED FROM WM. BRAND, c/o FOX ASSOCIATES, LOS ANGELES, CALIF. VENDORS NO. 8 OR EQUIVALENT.
4. GIVEN LENGTH OF CABLE IS APPROXIMATE. CORRECT LENGTH IS TO BE DETERMINED ON FIRST INSTALLATION AND ENGINEERING NOTIFIED.
5. WRAP ENDS OF GREEN, RED, BLUE & WHITE WIRES WITH TAPE
6. (A) THIS IS A TYPICAL PLUG ASSY. INSERTS & BUSHINGS MAY BEAR DIFFERENT NUMBERS BECAUSE OF DIFFERENT VENDORS AND ARE NOT PHYSICALLY IDENTICAL. HOWEVER, ALL PLUG SHELLS AND CLAMPS MUST HAVE THE SAME NUMBERS.
7. (C) 28F7642 (REF) CORRESPONDS TO CABLE #1 IN NAVY MANUAL (ASB-6, & -7).

PART No	STOCK	MATERIAL	SPEC	REQ. -0
* PT. 8-7708979 BUSHING				1
* PT. 6-7708979 "C" WASHER				1
* PT. 3-7708979 WASHER				1
AC660-50				2
AN3053-6				1
AN3054-6				1
* AN3106-22-5S PLUG				1
* AN3057-12 CLAMP				1
-7 C.V.A.C. # SL-6 X 1¼				1
* -6 CPWG2041 CABLE X 53¼				1

PARTS LIST PER ASSY.

MCR 270-11

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-0	PBY-5A	28F6955	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.03 CALC WT

REPLACED BY — ACT WT

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

ENG. FILE

APPROVED FOR TOOLING BY

NAVY: NONE — HEAT TREAT
NONE — FINISH

OPP. HAND: NONE

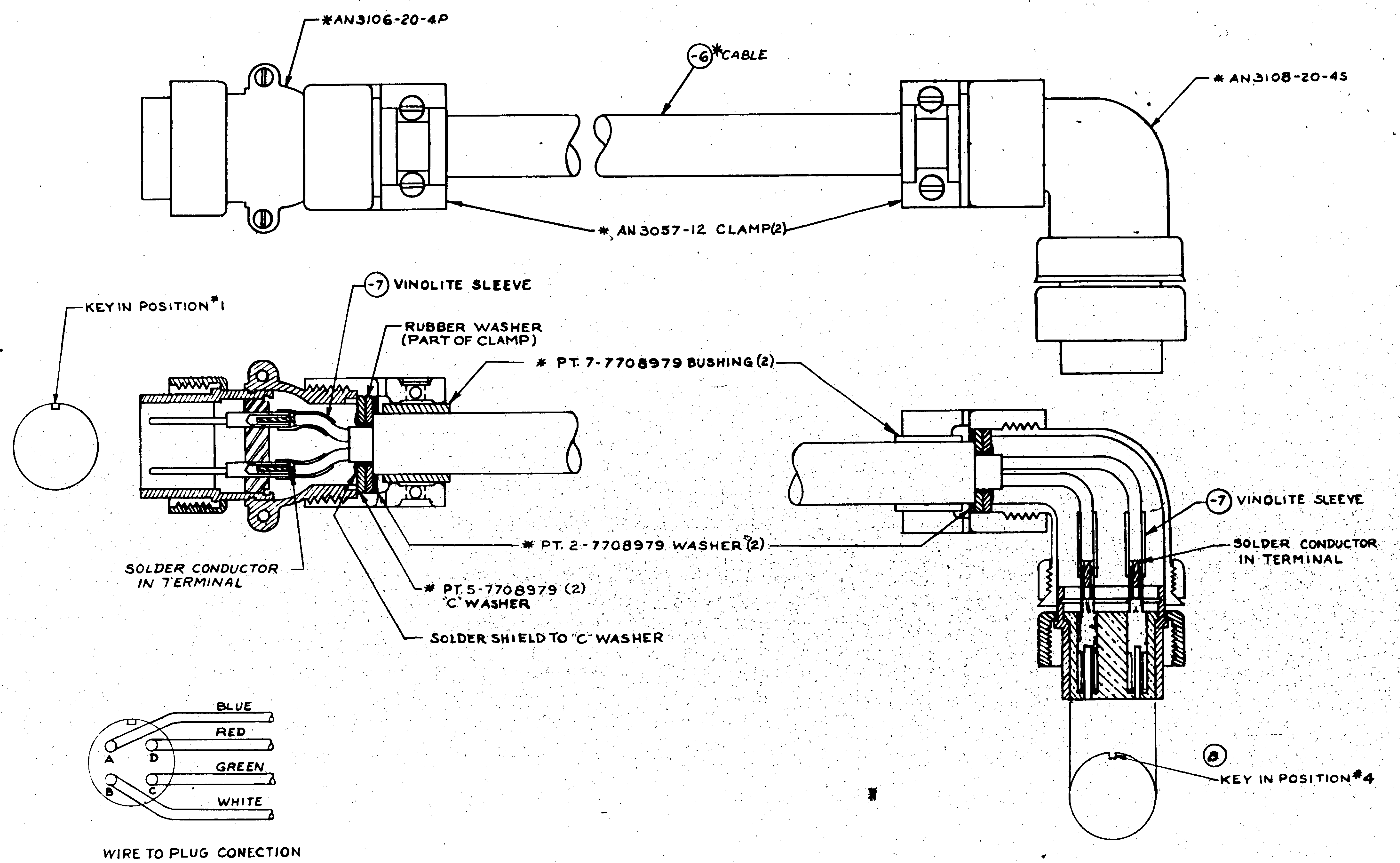
NAME: CABLE-ASB CONTROL UNIT TO POWER JUNCT. BOX.

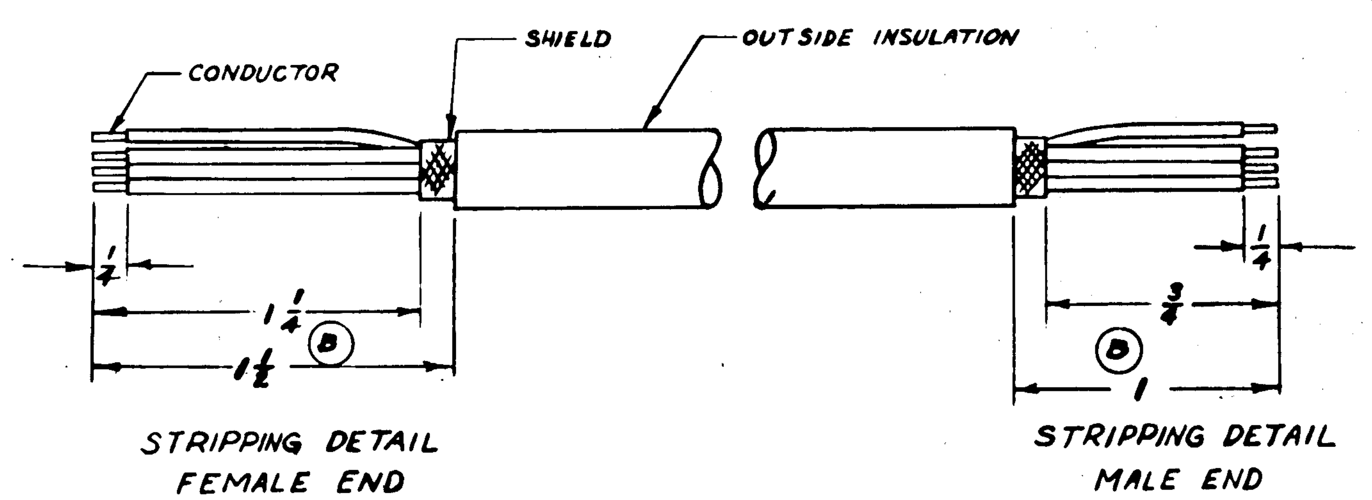
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

G 28F7642

R

28F7642





NOTES

1. ASTERISK (*) DENOTES GOVERNMENT FURNISHED EQUIPMENT.
2. GIVEN LENGTH OF CABLE IS APPROXIMATE. CORRECT LENGTH TO BE DETERMINED ON FIRST INSTALLATION AND ENGINEERING NOTIFIED.
3. C.V.A.C. #SL-6 VINOLITE SLEEVING MAYBE PURCHASED FROM W. BRAND c/o FOX ASSOCIATES, LOS ANGELES CALIFORNIA VENDORS NO. 8 OR EQUIVALENT.
4. (A) THIS IS A TYPICAL PLUG ASS'Y. INSERTS & BUSHINGS MAY BEAR DIFFERENT NUMBERS BECAUSE OF DIFFERENT VENDORS AND ARE NOT PHYSICALLY IDENTICAL. HOWEVER ALL PLUG SHELLS AND CLAMPS MUST HAVE THE SAME NUMBER.
5. (C) 28F7643 (REF) CORRESPONDS TO CABLE #3 IN NAVY MANUAL (ASB-6,4-7).

MCR 270-11

APPROVED FOR TOOLING BY Geraline 7-17-43

LET	ALTERATION	DATE	BY
A	ADDED NOTE 4: THIS IS A ---- THE SAME NUMBER. NO WT CHG.	[illegible]	[illegible]
B	IN [illegible] FOR -6 CHANGED TO CABLE x 77 WAS CABLE x 72 ON FACE DIM. 1 1/4 WAS 1 3/4 DIM. 1 1/2 WAS 2 1/2. DIM 3/4 WAS 1 1/2. DIM. 1 WAS 1 3/4 AT SECTION VIEW OF AN 3108-20-4S PLUG, KEY IN POSITION #4 WAS IN POSITION #1. WT CHG [illegible]	[illegible]	[illegible]
C	ADDED NOTE #5. NO WT. CHG.	[illegible]	[illegible]

MCR #270-C-1

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
* PT.-2-7708979 WASHER				2				
* PT.-5-7708979 C WASHER				2				
* PT.-7-7708979 BUSHING				2				
* AN3108-20-4S PLUG				1				
* AN3106-20-4P PLUG				1				
* AN3057-12 CLAMP				2				
-7	C.V.A.C.#SL-6 x 1 1/4 VINOLITE SLEEVING			8				
* -6	CPWG2042 CABLE x 77			1				

PARTS LIST PER ASSY.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6955	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 1.07#

REPLACED BY — ACT. WT.

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

A C

NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT: HLAVIN 6-29-43 — CHECK 7-21-43 — STRUCT — MAT — APPROV — ENG

OPP. HAND NONE

NAME CABLE-ASB TRANSMTR. TO RECT. POWER UNIT

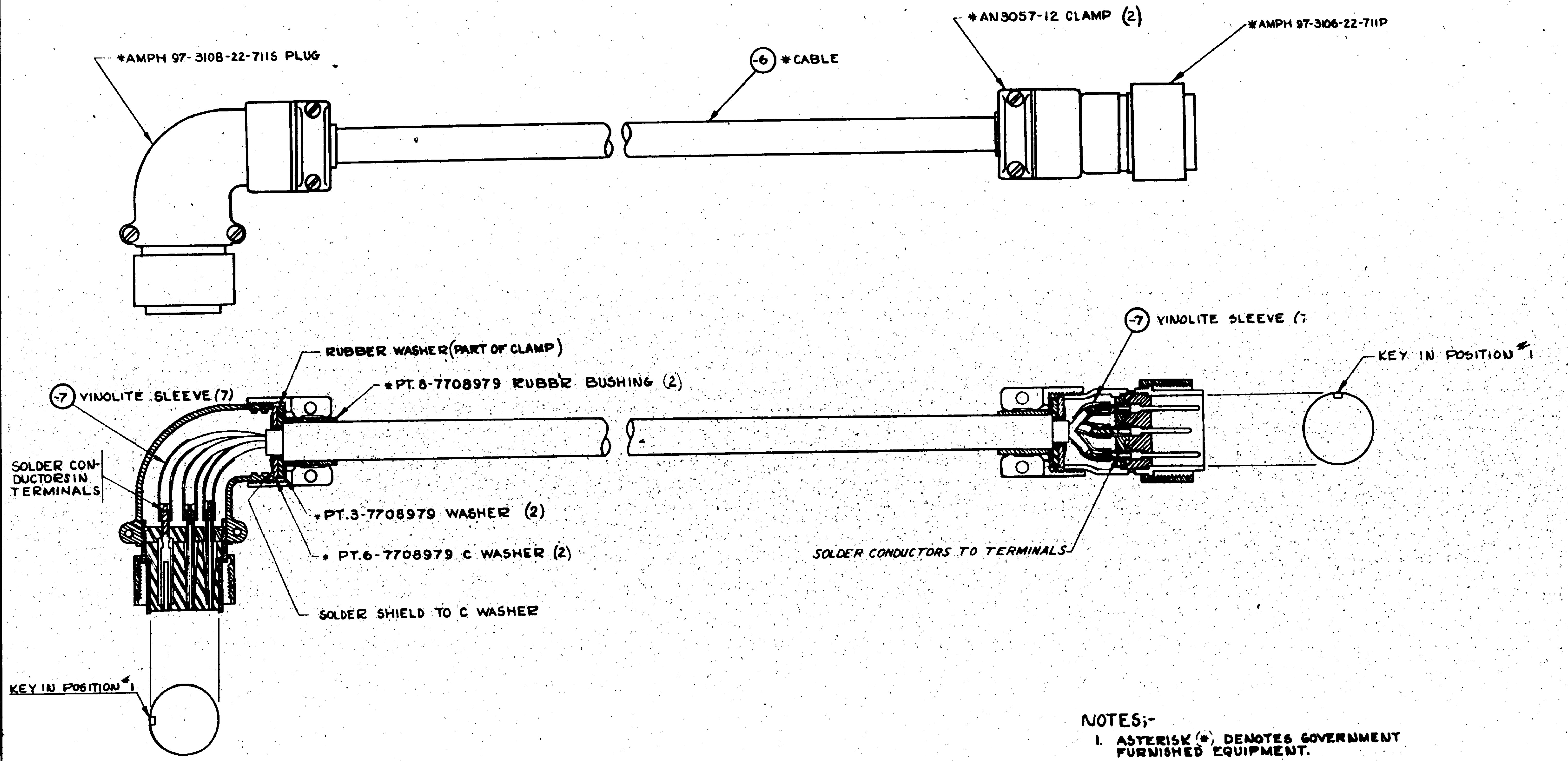
DWG. SIZE G — 28F7643

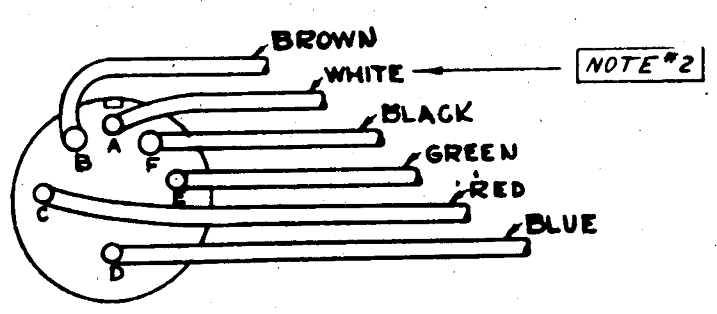
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F7643

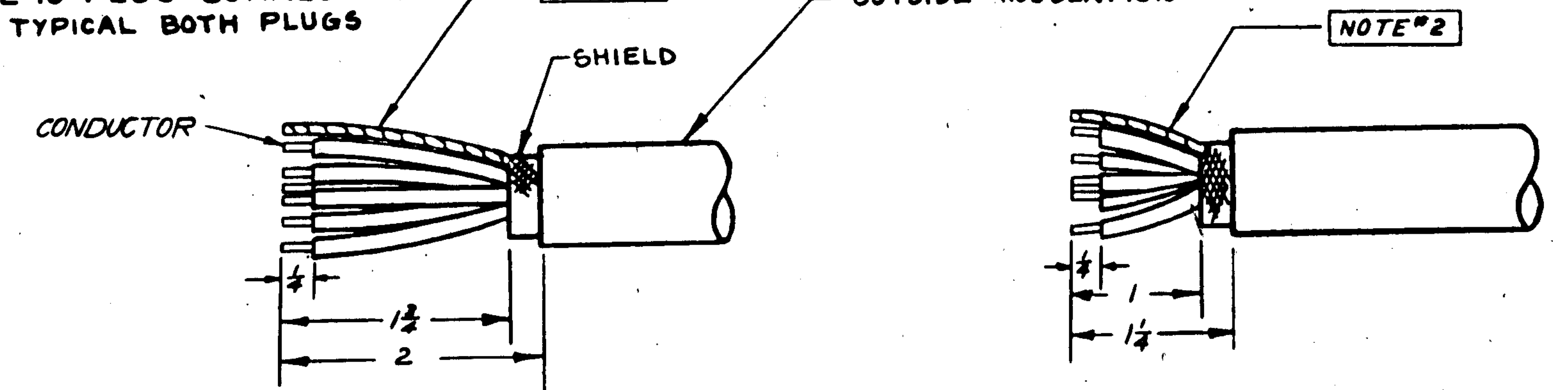
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE
A	ADDED NOTE 5; THIS IS A ------ THE SAME NUMBER. NO WT. CHG.	9-4-43	[illegible]			
B	ON FACE OF DWG. DIM. 1¾ WAS 3½, 2 WAS 3¾, 1 WAS 2 & 1¼ WAS 2¼. IN 7/16 FOR -6 (LENGTH) "X81" WAS "X87". WT. CHG. NEG.	9-11-43	[illegible]			
C	ADDED NOTE 6. NO WT. CHG.	10-1-43	[illegible]			

MCR#270-C-1





WIRE TO PLUG CONNECTION
TYPICAL BOTH PLUGS



STRIPPING DETAIL FEMALE END

STRIPPING DETAIL MALE END

NOTES;-

1. ASTERISK (*) DENOTES GOVERNMENT FURNISHED EQUIPMENT.
2. GROUND SHIELD TO GROUND PIN "A" BY UNBRAIDING A SMALL PORTION OF SHIELD, TWIST TOGETHER, RUN THROUGH VINOLITE SLEEVE AND SOLDER END, TO PIN "A" WITH WHITE WIRE AT EACH PLUG.
3. GIVEN LENGTH OF CABLE IS APPROXIMATE. CORRECT LENGTH TO BE DETERMINED ON FIRST INSTALLATION & ENGINEERING NOTIFIED.
4. GVAC NO. SL-6 MAY BE PURCHASED FROM WM. BRAND CARE OF FOX ASSOCIATES LOS ANGELES, CALIFORNIA. VENDORS NO. 8 OR EQUIV.
5. (A) THIS IS A TYPICAL PLUG ASS'Y. INSERTS & BUSHINGS MAY BEAR DIFFERENT NUMBERS BECAUSE OF DIFFERENT VENDORS AND ARE NOT PHYSICALLY IDENTICAL. HOWEVER, ALL PLUG SHELLS AND CLAMPS MUST HAVE THE SAME NUMBER.
6. (C) 28F7644 (REF) CORRESPONDS TO CABLE #6 IN NAVY MANUAL (ASB-6, 4-7).

MCR#270-11

APPROVED FOR TOOLING BY
Grue 7/17-43

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6955	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.65# CALC. WT.

REPLACED BY — ACT. WT.

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

	PART No	STOCK	MATERIAL	SPEC.	REQ. -0
*		PT.8-7708979 RUBBER BUSHING			2
*		PT.6-7708979 C WASHER			2
*		PT.3-7708979 WASHER			2
*		AMPH 97-3106-22-711P			1
*		AMPH 97-3108-22-711S			1
*		AN3057-12 CLAMP			2
	-7	GVAC #SL-6 x 1¼	VINOLITE SLEEVE		14
*	-6	CPW6204 CABLE X 81			1

PARTS LIST PER ASSY. (-0, -2, -3, -4, -5)

A C			DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY NONE	NONE		6-24-43	7-21-43				
HEAT TREAT	FINISH							

NAME: CABLE-RECT. POWER UNIT TO ASB LOCAL IND.

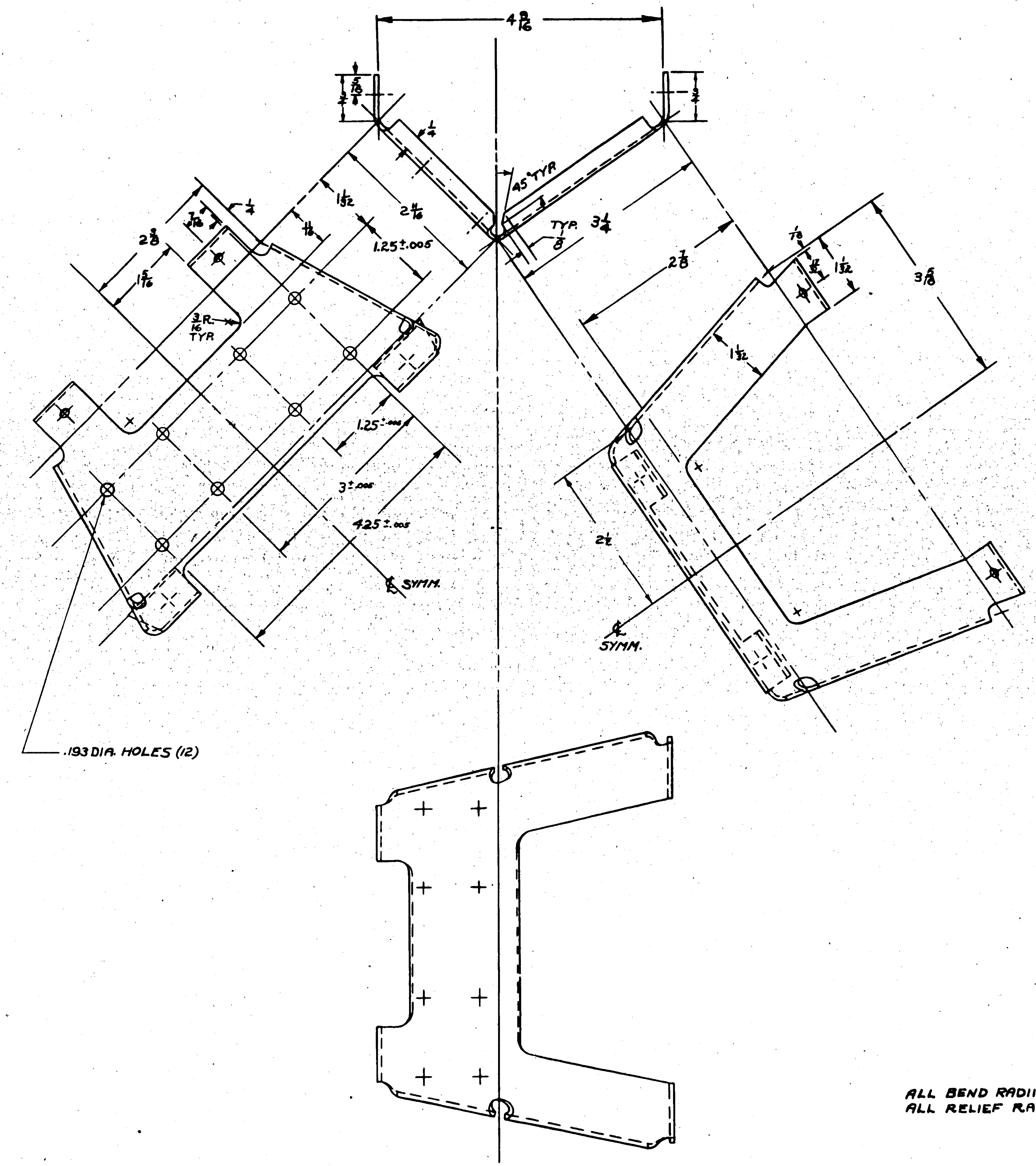
OPP. HAND: NONE

G 28F7644

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

MCR270-10

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	IN FINISH BLK Z-P-2DBL WAS						
	Z-P-GP NO WT. CHG.	9-4-[illegible]	[illegible]				



ALL BEND RADII 1/8
ALL RELIEF RADII 3/16

APPROVED FOR TOOLING BY
Gorsline 7-7-43

MCR270-9

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7645	1

REQUIREMENTS PER AIRPLANE

REPLACES	.16 CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 NOT ACCUM.	SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
●	.051 x 7 5/8 x 7 1/2	ALCLAD	QQ-A362-T					

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT.	APPRO.	ENG.
NAVY NONE	Z-P-2DBL	7-2-43	[illegible]		[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH						

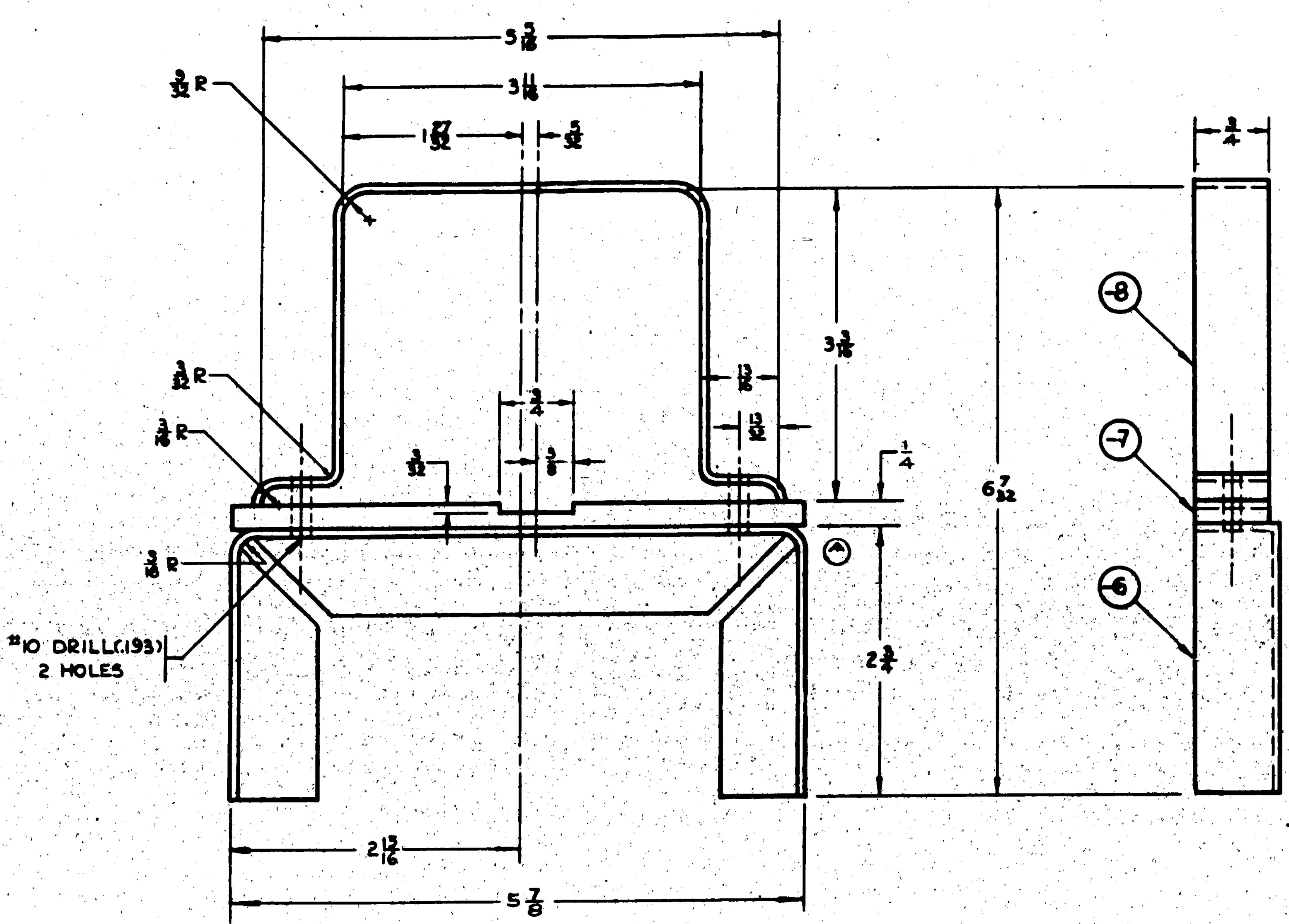
NAME BRACKET - ASB PILOTS CONTROL BOX

OPP. HAND NONE

DWG. SIZE G 28F7646

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28F7646



LET	ALTERATION	DATE	BY
A	ON -6 CUT NOTCH BACK TO HEEL OF ANGLE W/TCHG DEF.		

NOTE: 1- RELIEF RADII 1/16 UNLESS OTHERWISE SPECIFIED.
2- WIRE ASSEMBLY TOGETHER & STOCK IN SETS.

MCR 270-3 & ON

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-0	PBY-5A	28F7649	1

REQUIREMENTS PER AIRPLANE

REPLACES — .19 CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
-8	.064 X 10 3/8 X 7/8	24ST ALCLAD	QQ-A-362	1				
-7	1/4 X 3/4 X 5 7/8	PHENOLIC	17P5	1				
-6	Y-2-A38 T x 11/2			1				

PARTS LIST PER ASSY.

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT 7-3-43 — CHECK 7-17-43 — STRUCT — MAT — APPROV — ENG.

OPP. HAND NONE

NAME ASSEMBLY - ASB - MOUNTING STRAP

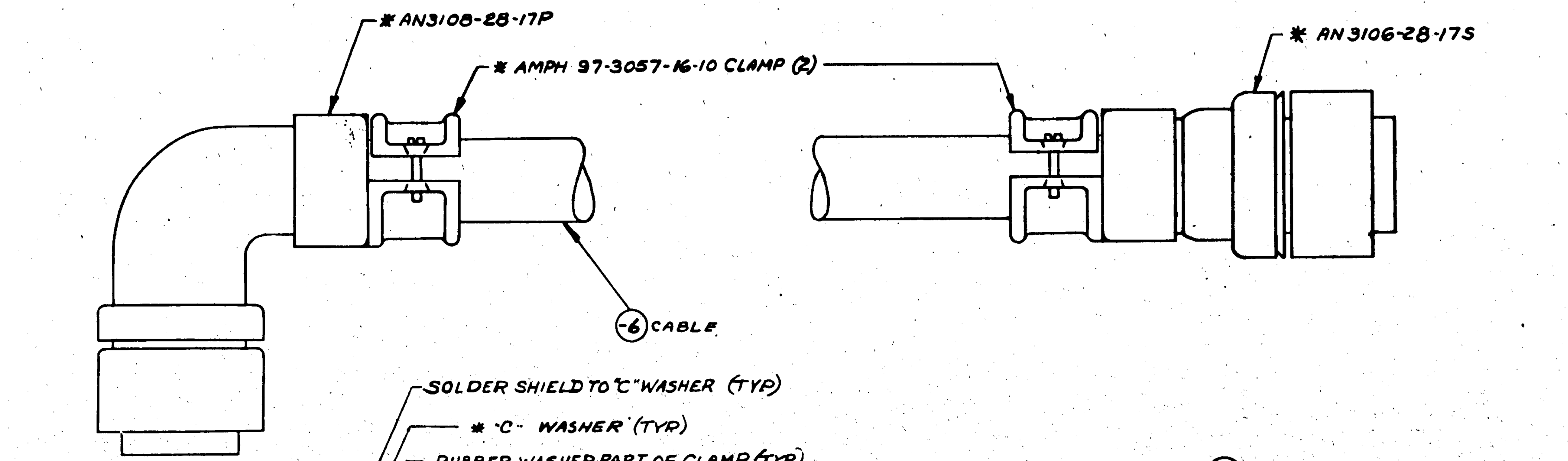
DWG. SIZE G — 28F7650

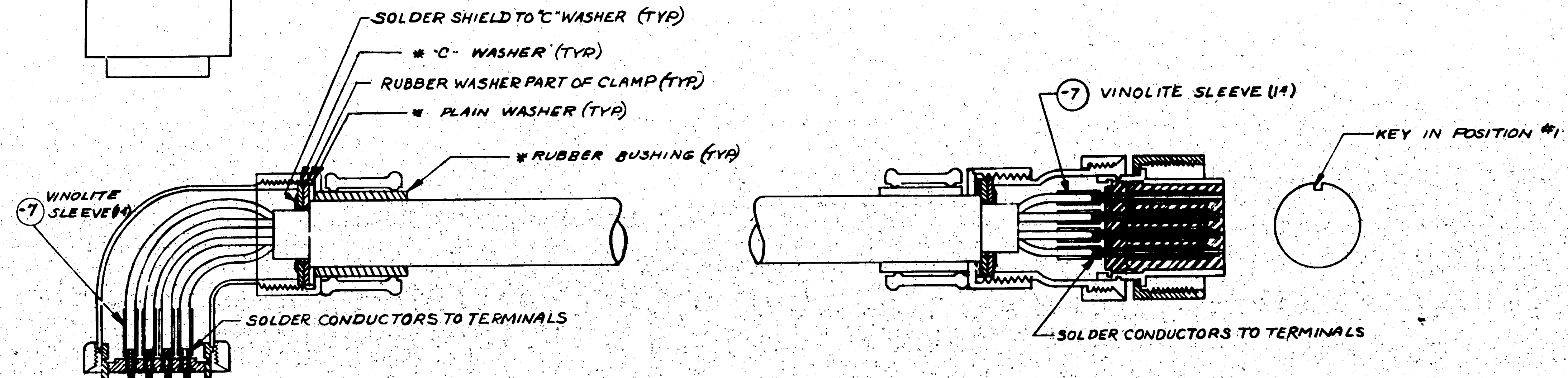
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

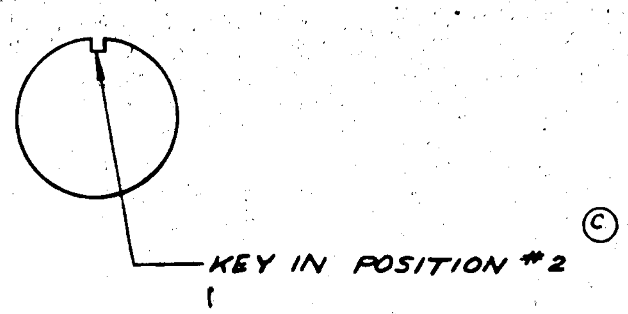
APPROVED FOR TOOLING BY Garsline 7-17-43

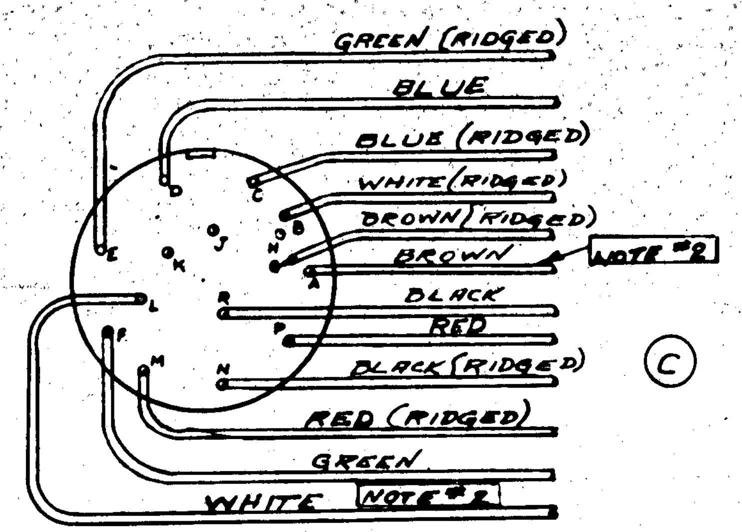
R

28F7650

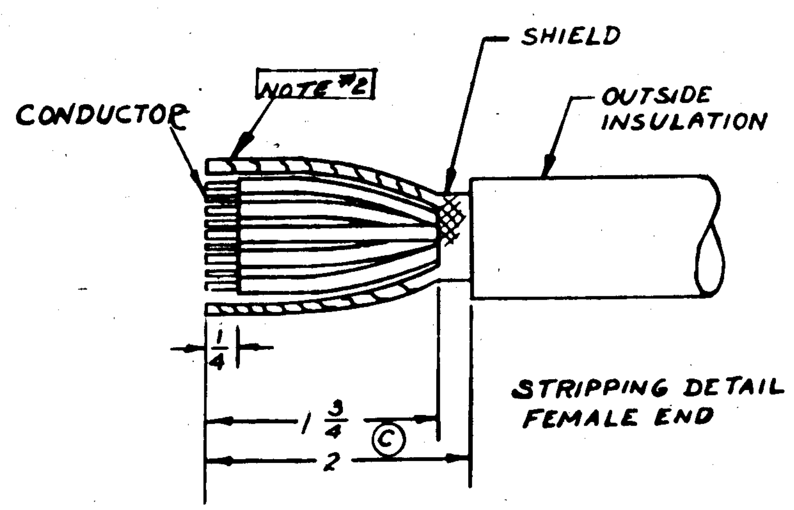




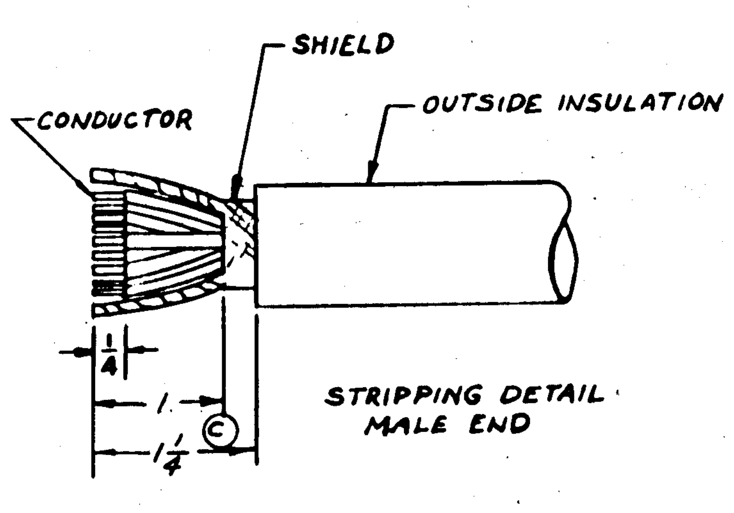




WIRE TO PLUG CONNECTION



STRIPPING DETAIL FEMALE END



STRIPPING DETAIL MALE END

NOTES

1. ASTERISK (*) DENOTES GOVERNMENT FURNISHED EQUIPMENT.
2. (B) GROUND SHIELDING TO PINS "L" & "A" BY TAKING A PORTION OF SHIELDING AND DIVIDING IT INTO TWO SEPARATE LEADS. TWIST EACH LEAD AND INSERT EACH LEAD INTO A VINOLITE SLEEVE. SOLDER ONE LEAD TO PIN "L" ON PLUG AND ONE LEAD TO PIN "A" ON PLUG.
3. C.V.A.C.# SL-7 MAY BE PURCHASED FROM C.D. LAMOREE, LOS ANGELES, CALIFORNIA, VENDORS #12 OR EQUIVALENT.
4. GIVEN LENGTH OF CABLE IS APPROXIMATE CORRECT LENGTH TO BE DETERMINED ON FIRST INSTALLATION & ENGINEERING NOTIFIED.

(B)

(A) 6. THIS IS A TYPICAL PLUG ASS'Y. INSERTS & BUSHINGS MAY BEAR DIFFERENT NUMBERS BECAUSE OF DIFFERENT VENDORS AND ARE NOT PHYSICALLY IDENTICAL. HOWEVER, ALL PLUG SHELLS AND CLAMPS MUST HAVE THE SAME NUMBER.

(D) 7. 28F7656 (REF) CORRESPONDS TO CABLE #5 IN NAVY MANUAL (CPR-55ADO).

MCR 270-11

APPROVED FOR TOOLING BY [signature] 7/17-43

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED NOTE 6: THIS IS A ------- THE SAME NUMBER. NO WT. CHG	7-4-43	[illegible]	C (cont'd)	AN 3108-28-17P CNG'D TO POSITION #2 WAS IN POSITION #4. IN DWG OF WIRE TO PLUG CONNECTION 'GREEN (RIDGED)' WAS 'ORANGE', 'BLUE' WAS 'YELLOW', 'BLUE (RIDGED)' WAS 'BROWN', 'WHITE (RIDGED)' WAS 'BLACK', 'BROWN (RIDGED)' WAS 'GRAY', 'BROWN' WAS 'WHITE', 'BLACK' WAS 'BLUE', 'BLACK (RIDGED)' WAS 'GREEN', 'RED (RIDGED)' WAS 'BLACK & RED', 'GREEN' WAS 'BLUE & WHITE', ADDED WHITE WIRE WITH 'NOTE #2' TO PIN 'L'. WT. CHG. NEG.	9-10-43	[illegible]
B	ON FACE OF DWG. NOTE #2 REMOVED & NEW NOTE #2 ADDED "GROUND SHIELDING ------- "A" ON PLUG." NOTE #5 & REFERENCES TO NOTE #5 REMOVED. IN B/M FOR -6 "NAVY 47024-1023X104" WAS "PSL-1236 X110". FOR -7 (28) REQ. WAS (24) REQ. ON FACE OF DWG. FOR -7 (2 PLACES) REMOVE (12) & ADDED (14). WT. CHG. NEG.	9-10-43	[illegible]	D (MCR 270-11)	ADDED NOTE #7. NO WT. CHG.	10-18-43	[illegible]
C	ON FACE OF DWG. VIEWS & DIM'S. OF STRIPPING DETAILS (MALE & FEMALE ENDS) SHORTENED: DIM'S. 1 1/4 WAS 3 1/2, 2 WAS 3 1/4, 1 WAS 2, & 1 3/4 WAS 2 3/4. KEYING VIEW OF						

PART No	STOCK	MATERIAL	SPEC.	REQ.
* RUBBER BUSHING				2
* PLAIN WASHER				2
* "C" WASHER				2
* AMPH 97-3057-16-10 CLAMP				2
* AN3108-28-17P PLUG				1
* AN3106-28-17S PLUG				1
-7 C.V.A.C. # SL-7 X 1 1/4 VINOLITE SLEEVING				28
* -6 NAVY 47024-1203X104 CABLE				1

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6955	1

REQUIREMENTS PER AIRPLANE

REPLACES: 0 — CALC. WT. 2.15 #

REPLACED BY — ACT. WT.

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

HEAT TREAT: A.C. — NAVY NONE

FINISH: NONE

DRAFT: [signature] 7-5-43 — CHECK: 7-21-43 — STRUCT — MAT. — APPROV. — ENG.

OPP. HAND: NONE

NAME: CABLE-ASB AMPLIFIER TO PILOTS CONTROL BOX.

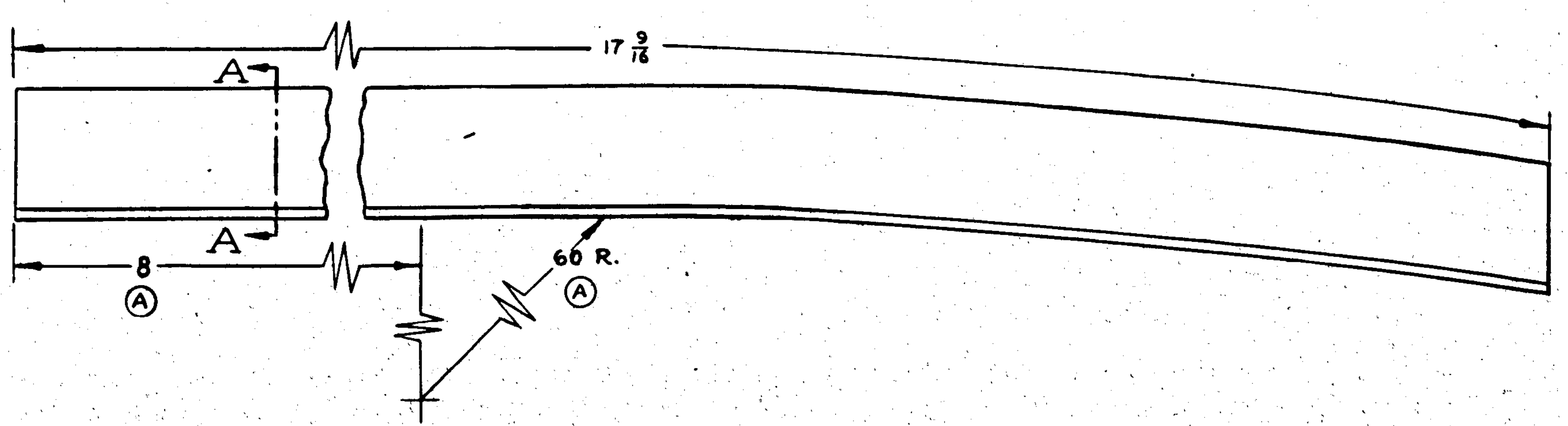
DWG. SIZE: G — 28F7656

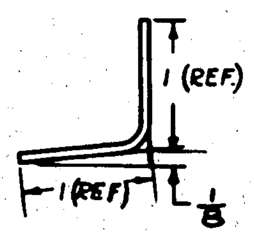
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

28F7656

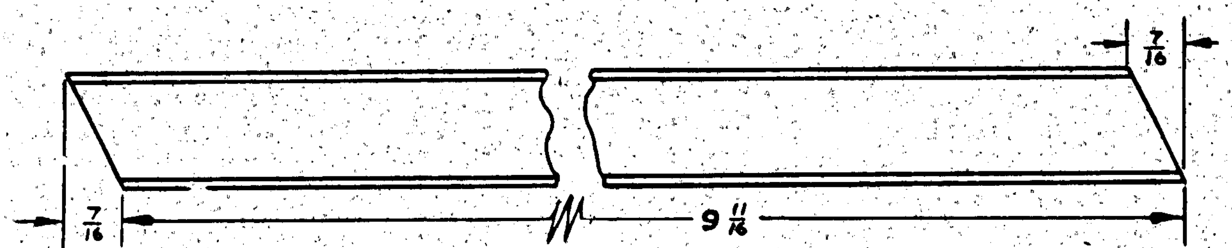
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ON FACE OF DWG. CHANGED 44 3/4 R. TO 60 R. & DIM. 12 TO 8 FOR -6 DETAIL NO WT. CHG. 8-31-45		L.E.P.S.				



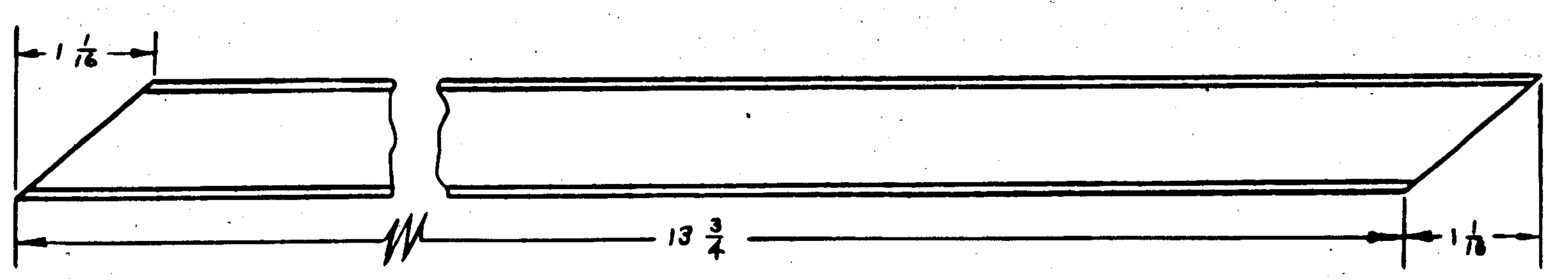


SECTION A-A

DETAIL -6



DETAIL -7



DETAIL - 8

NOTE:
1. CALC. WT. FOR
-6- .22 #
-7- .13 #
-8- .20 #

APPROVED FOR TOOLING BY Gorsline 7-17-43

MCR 270-5

DASH NO.	MODEL	NEXT ASSY.	REQ.
-8	P4Y-5A	28F7663	1
-7	P4Y-5A	28F7663	1
-6	P4Y-5A	28F7655	2

REQUIREMENTS PER AIRPLANE

REPLACES — NOTED
REPLACED BY

TOLERANCES: ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-8	Y10-A27T x 15 1/16		
-7	Y10-A27T x 10 1/8		
-6	Y2-A45T x 17 7/8		

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

A C — Dormance
NAVY NONE — Z-P-GP — 7-9-43
HEAT TREAT — FINISH — DRAFT — CHECK — STRUCT — MAT — APPROV. — ENG.

NAME ANGLES-ASB TRANSMITTER-BRACKET FASTENING

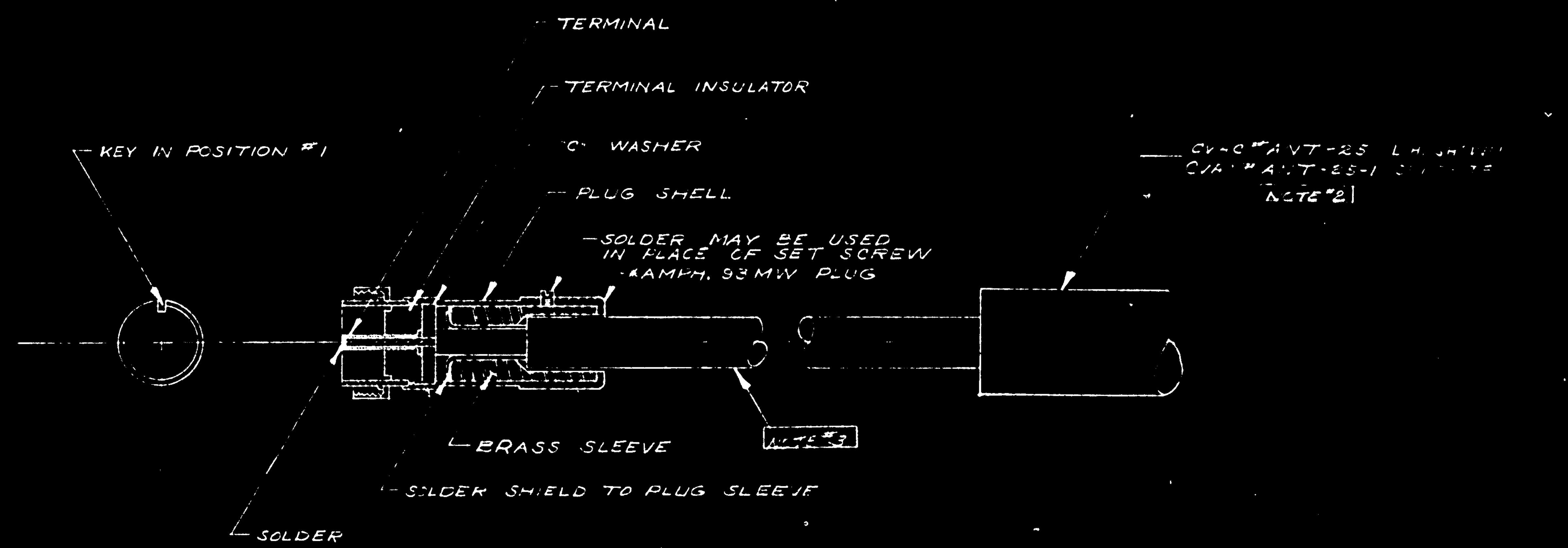
OPP. HAND NONE

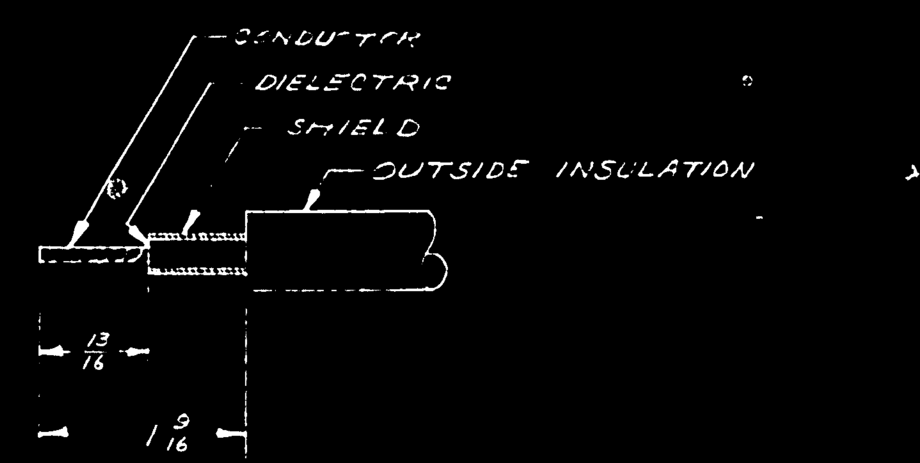
DWG. SIZE G 28F7661

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

28F7661





STRIPPING DETAIL
PLUG END ONLY

NOTES:

1. ASTERISK (*) INDICATES GOVERNMENT FURNISHED EQUIPMENT.
2. CVAC *ANT-25 [illegible] MAY BE PURCHASED FROM ENGINEERING RESEARCH CORP., COLLEGE PARK, MARYLAND PER "ERCO 51F-2 [illegible]".
3. ANTENNA ASSEMBLY WILL HAVE TRANSMISSION [illegible] SHOWN.

MOR 279-1

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-R	PBY-5A	28F7620	1
-L	PBY-5A	28E7620	1

REQUIREMENTS PER AIRPLANE

REPLACES — 18.95# CALC WT

REPLACED BY — ACT WT

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
*AMPH. 93 MW PLUG				1 1				
CVAC *ANT-25-1				1				
CVAC *ANT-25				1				

PARTS LIST PER ASSY

ENG. FILE

A C
NAVY NONE — HEAT TREAT
NONE — FINISH

7/2/43 — DRAFT / CHECK / STRUCT / MAT / APPROV. / ENG.

NAME: PLUG ASSEMBLY— ASB ANTENNA

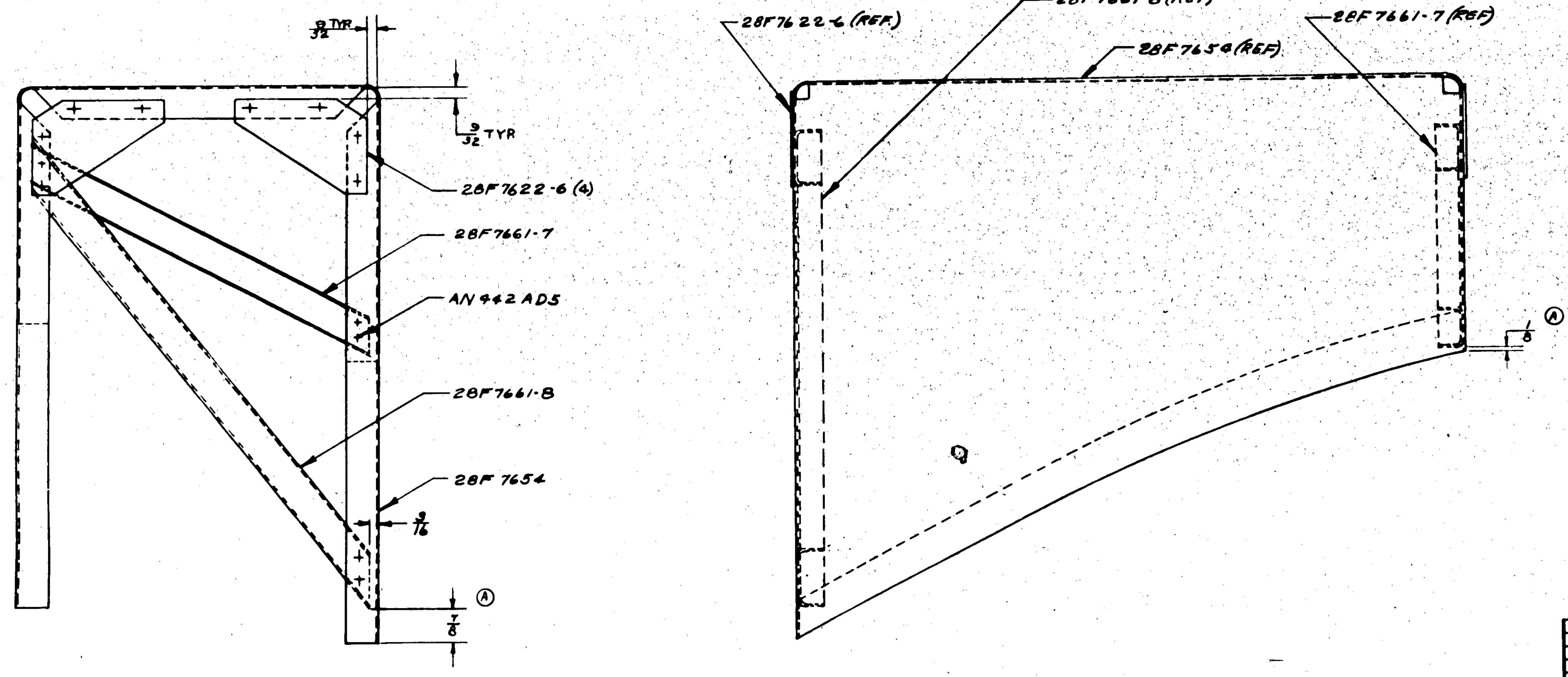
OPP HAND 28E7662

DWG SIZE G — 28F7662

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

28F7662

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	7/8 DIM. WAS 1 5/8 & 1/2 SHN. WAS 1/4. CALC. WT. 2.28# WAS 2.48# WT. CHG. -.20#	7-6-43	[illegible]				



.MCR 270-5

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	8BY-5A	28F7655	1

REQUIREMENTS PER AIRPLANE

REPLACES — 2.28# CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.
AN442AD5				
28F7661-8				1
28F7661-7				1
28F7654				1
28F7622-6				4

PARTS LIST PER ASSY. Dorrance

A C

NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT 7/10/43 Wright — CHECK 7-22-43 — STRUCT — MAT — APPROV — ENG.

OPP. HAND NONE

NAME BRACKET ASSEMBLY-ASB TRANSMITTER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

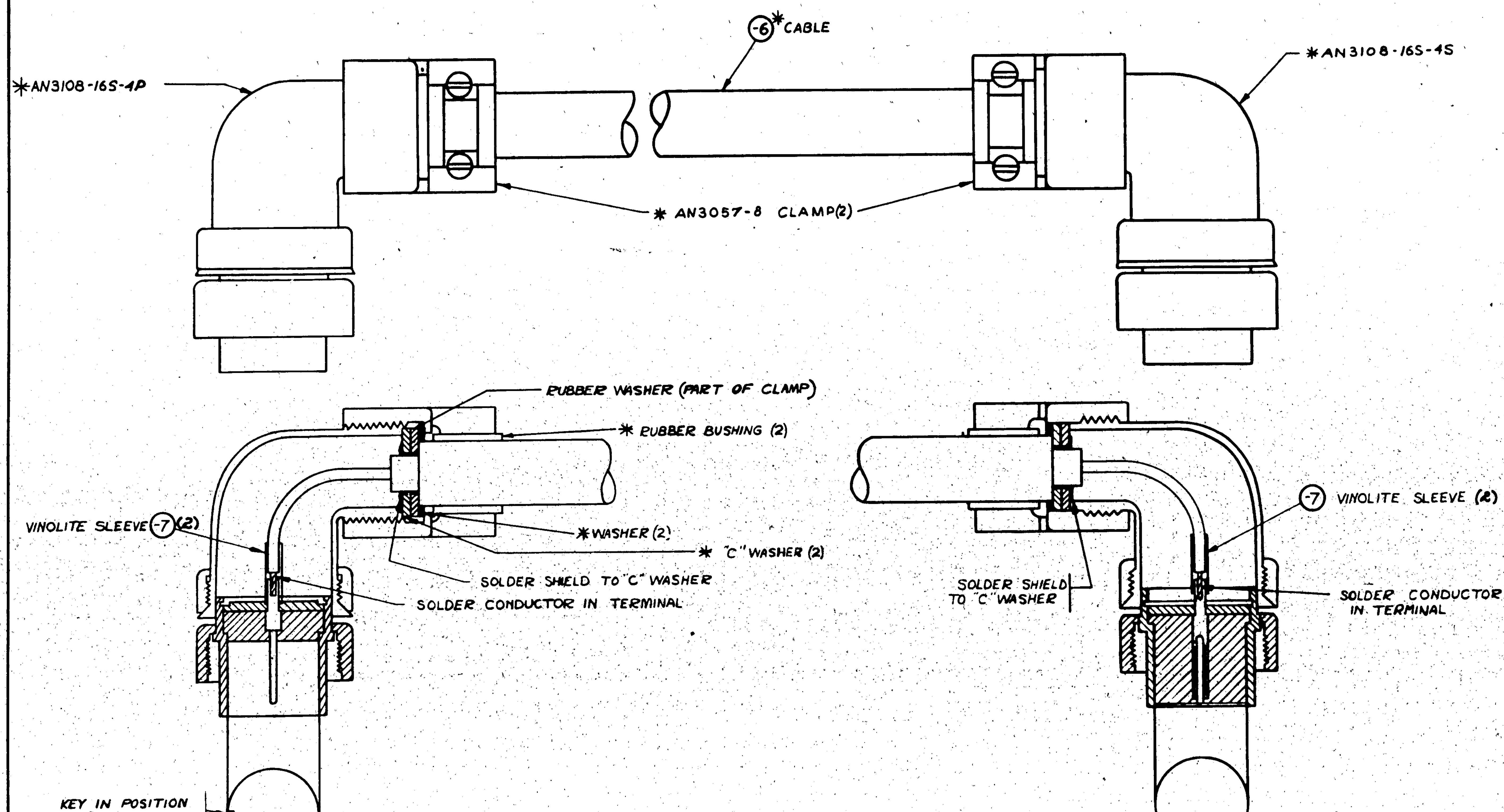
DWG. SIZE G — 28F7663

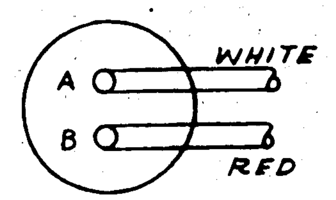
R 28F7663

APPROVED FOR TOOLING BY Geraline 7-17-43

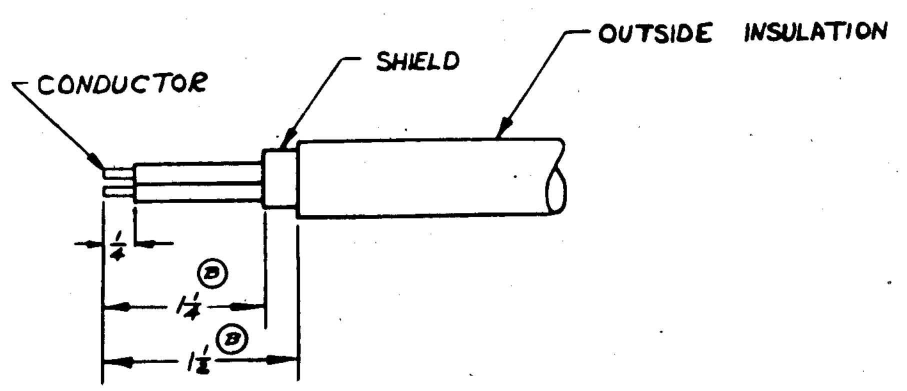
LET	ALTERATION	DATE	BY
A	ADDED NOTE 4: THIS IS A- ------THE SAME NUMBER NO WT. CHG.	4-4-45	[illegible]
B	ON FACE OF DWG. FOR VIEW TITLED "STRIPPING DETAIL TYPICAL BOTH ENDS" DIM. 1/4 WAS 2 1/4 & DIM. 1 1/2 WAS 2 1/2. IN [illegible] FOR -6 LENGTH X94 WAS X92 WT. CHG. NEG.	9-13-45	[illegible]
C	ADDED NOTE # 5. NO WT. CHG	[illegible]	[illegible]

MCR #270-C-





WIRE TO PLUG CONNECTION



STRIPPING DETAIL TYPICAL VIEW BOTH ENDS

NOTES

1. ASTERISK (✱) DENOTES GOVERNMENT FURNISHED EQUIPMENT.
2. C.V.A.C. #SL-6 VINOLITE SLEEVING MAYBE PURCHASED FROM W. BRAND % FOX ASSOCIATES, LOS ANGELES, CALIF. VENDORS NO. 8 OR EQUIVALENT.
3. GIVEN LENGTH OF CABLE IS APPROX. CORRECT LENGTH TO BE DETERMINED ON FIRST INSTALLATION & ENGINEERING NOTIFIED.
4. (A) THIS IS A TYPICAL PLUG ASS'Y. INSERTS & BUSHINGS MAY BEAR DIFFERENT NUMBERS BECAUSE OF DIFFERENT VENDORS AND ARE NOT PHYSICALLY IDENTICAL. HOWEVER, ALL PLUG SHELLS AND CLAMPS MUST HAVE THE SAME NUMBER.
5. (C) 28F7666 (REF) CORRESPONDS TO CABLE #4 IN NAVY MANUAL (CPR-55AD)

APPROVED FOR TOOLING BY: [signature] 7/17-43

MCR #270-11

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F6955	1

REQUIREMENTS PER AIRPLANE

REPLACES	.97# CALC. WT.
REPLACED BY	ACT. WT.

SCALE: SKETCH

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
✱ RUBBER BUSHING				2
✱ "C" WASHER				2
✱ WASHER				2
✱ AN3108-16S-4S PLUG				1
✱ AN3108-16S-4P PLUG				1
✱ AN3057-8 CLAMP				2
-7	C.V.A.C. #SL-6 x 1 1/4	VINOLITE	SLEEVING	4
✱ -6	NAVY 62043 x 94	CABLE		1

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NONE	7/13/43	7-14-43	[signature]	[signature]	[signature]	[signature]
HEAT TREAT	FINISH						

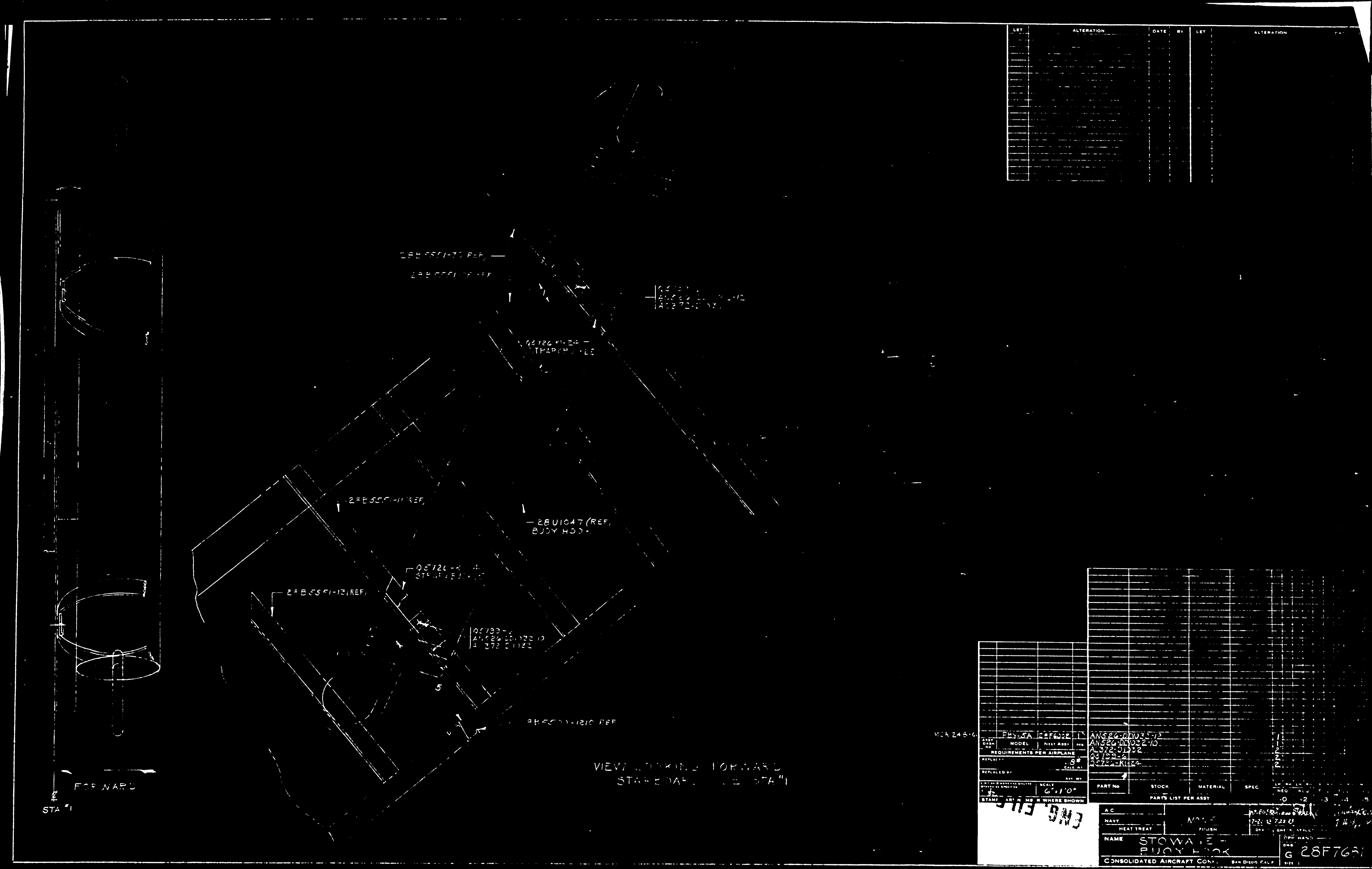
OPP. HAND NONE

NAME CABLE-A.S.B. IND. AMPLIFIER TO ANT. SWITCHING UNIT

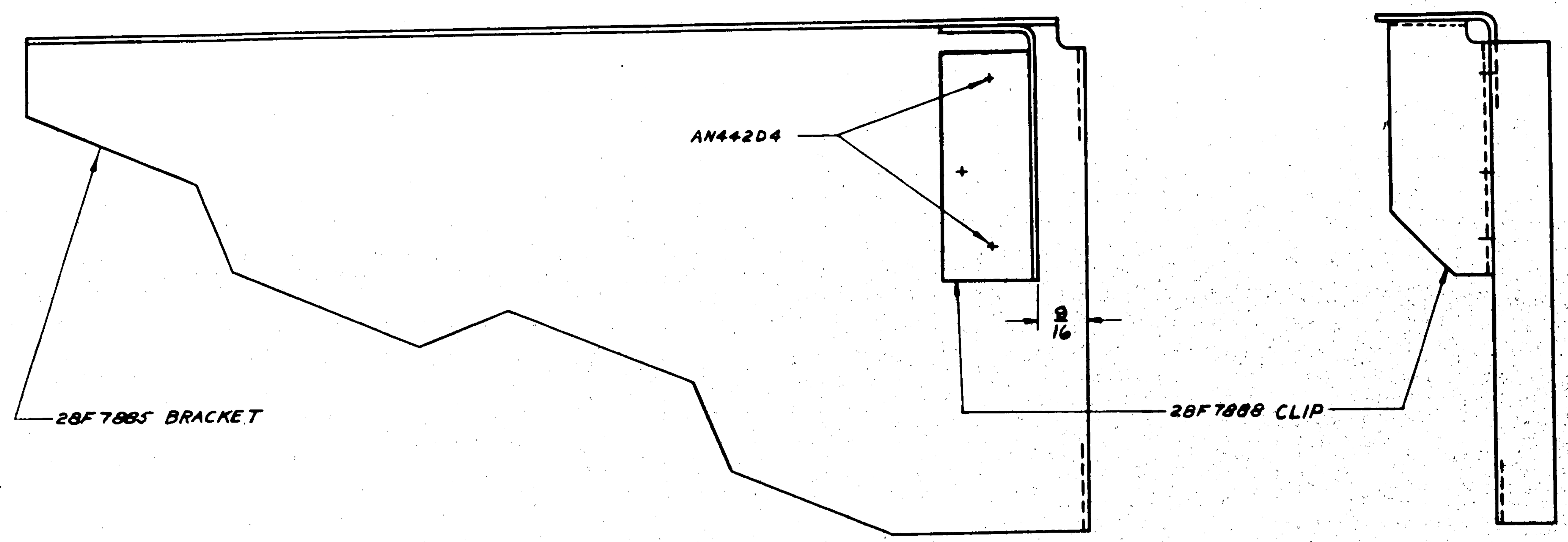
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G 28F7666

R 28F7666



28B U1047 (REF)
BUOY HOOK
VIEW LOOKING FORWARD
FORWARD
STA 1
PBY-5A
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
AN526-DD1032-12
AN526-DD1032-10
AC372-DD1032
PART No
STOCK
MATERIAL
SPEC
PARTS LIST PER ASSY
SCALE
6" = 1'0"
NAME
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF
G
28F7681



ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7880	1

REQUIREMENTS PER AIRPLANE

REPLACES — .35 CALC. WT.

REPLACED BY — ACT. WT.

LIMITS: 1/32 — SCALE 12"-1'-0"

STAMP PART NUMBER WHERE SHOWN

M.C.R. 2218-2-3

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN442D4								
28F7885				1				
28F7888				1				

PARTS LIST PER ASSY.

HEAT TREAT	FINISH
A C	
NAVY NONE	NONE

DRAFT: McMillan 7-30-43 — CHECK — STRUCT — MAT — APPROV 8-31-43 — ENG.

OPP. HAND NONE

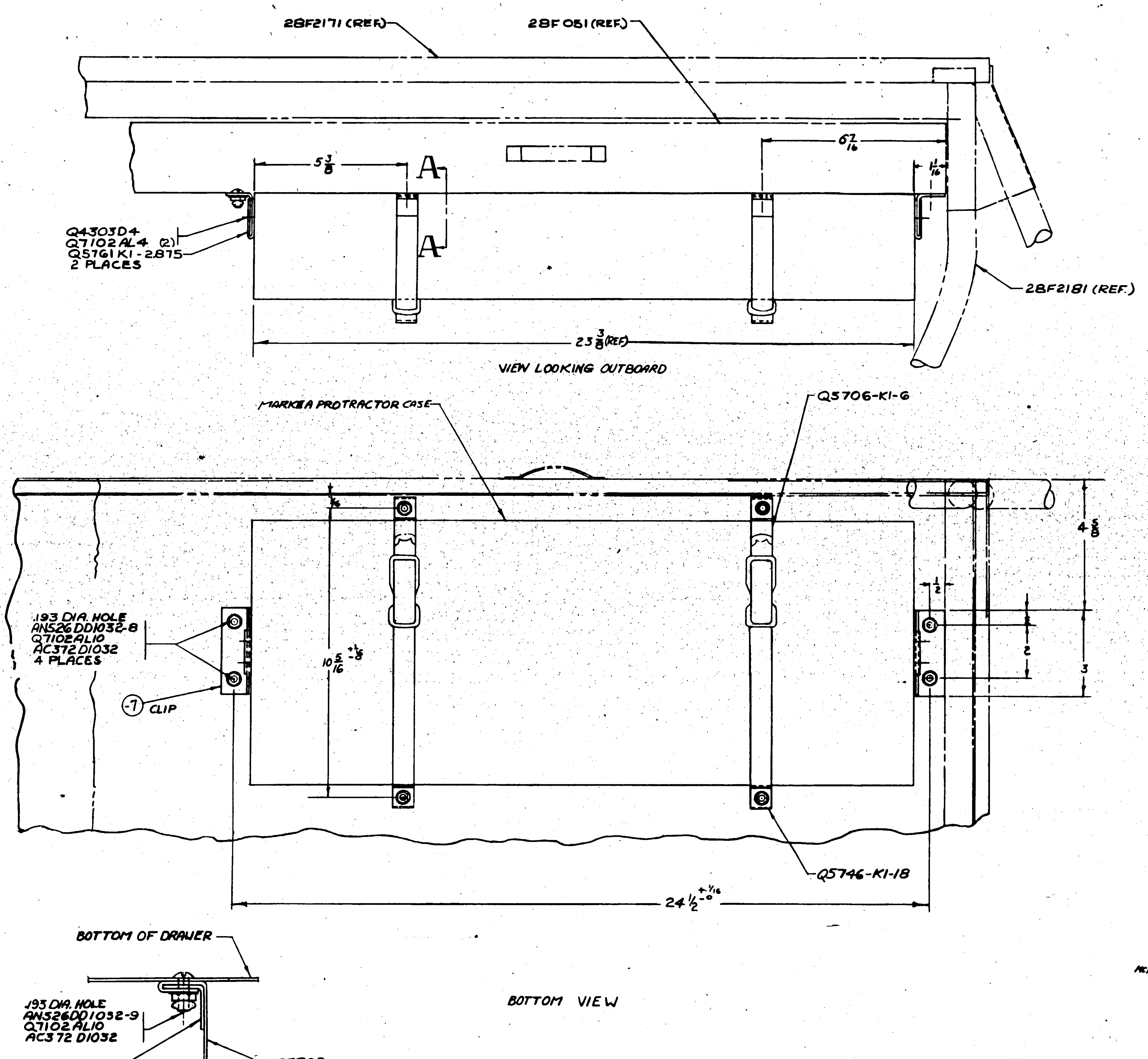
NAME BRACKET ASSEMBLY-CENTRAL HEATER-AFT SUPPORT

DWG. SIZE G — 28F7685

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY
F. Haugrud 8/17/43

R 28F7685



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

* GOV'T FURNISHED EQUIPMENT

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
* MARK III A PROTRACTOR CASE				1
Q4303D4				
Q5761K1-2.875				2
Q7102AL10				8
Q7102AL4				4
Q5746K1-18				2
Q5706K1-6				2
AC372D1032				8
AN526DD1032-8				4
AN526DD1032-9				4
-7	Y6-A6TT x 3/4			2
-6	Y2-A2TT x 1/8			4

PARTS LIST PER ASSY. (REQ. columns -0, -2, -3, -4, -5; LH / RH)

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-0	PBY-5A	28F6002	1

MCR 8218-11 & ON

REQUIREMENTS PER AIRPLANE

REPLACES: — CALC. WT .38

REPLACED BY: — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0" NOTED

STAMP PART NUMBER WHERE SHOWN

APPROVED FOR TOOLING BY Gorsline 9-8-43

A C — NAVY NONE — HEAT TREAT

FINISH: ZP-2GP -66-7 ONLY

DRAFT 9-30-43 · CHECK · STRUCT · MAT · APPROV · ENG.

OPP. HAND —

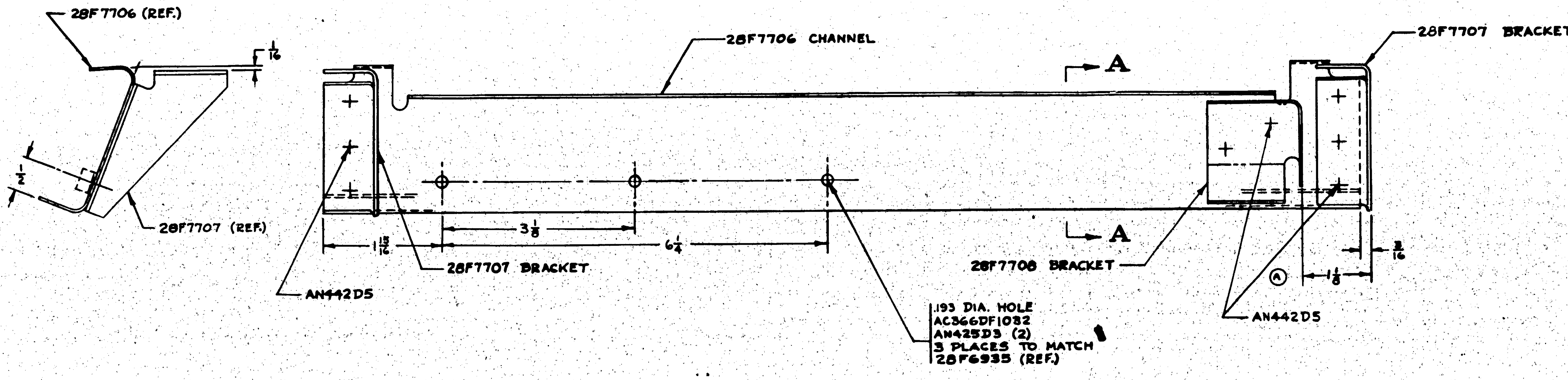
NAME: STOWAGE MARK III A PROTRACTOR CASE

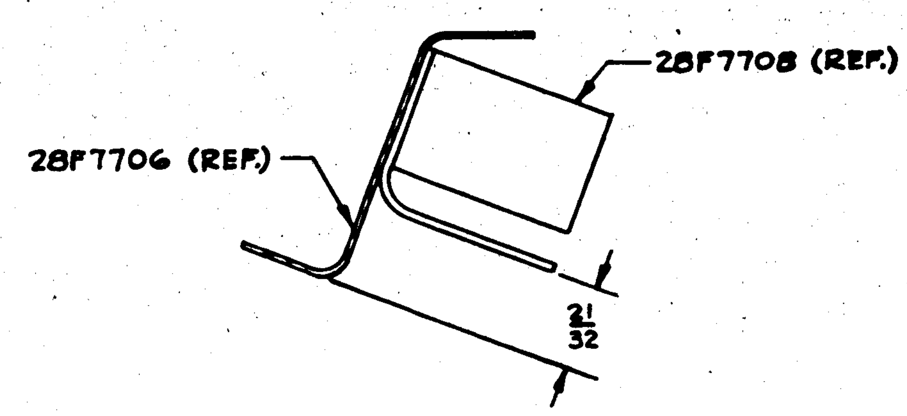
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

SIZE G — DWG. 28F7697

R 28F7697

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	1 1/8 DIM. WAS 1 1/4. NO WT. CHG.		





SECTION A-A

NOTE:
(1) US OF "AD" TYPE RIVET IS OPTIONAL.

MCR #272A-1

APPROVED FOR TOOLING BY
FRUE 9-11-43

PART No	STOCK	MATERIAL	SPEC.
AN442D5			
AN425D3			
AC366DF1032			
28F7708			
28F7707			
28F7706			

PARTS LIST PER ASSY. -0 -2 -3 -4 -5

MODEL	NEXT ASSY.
PBY-5A	28B5820

REQUIREMENTS PER AIRPLANE

.34# CALC. WT.

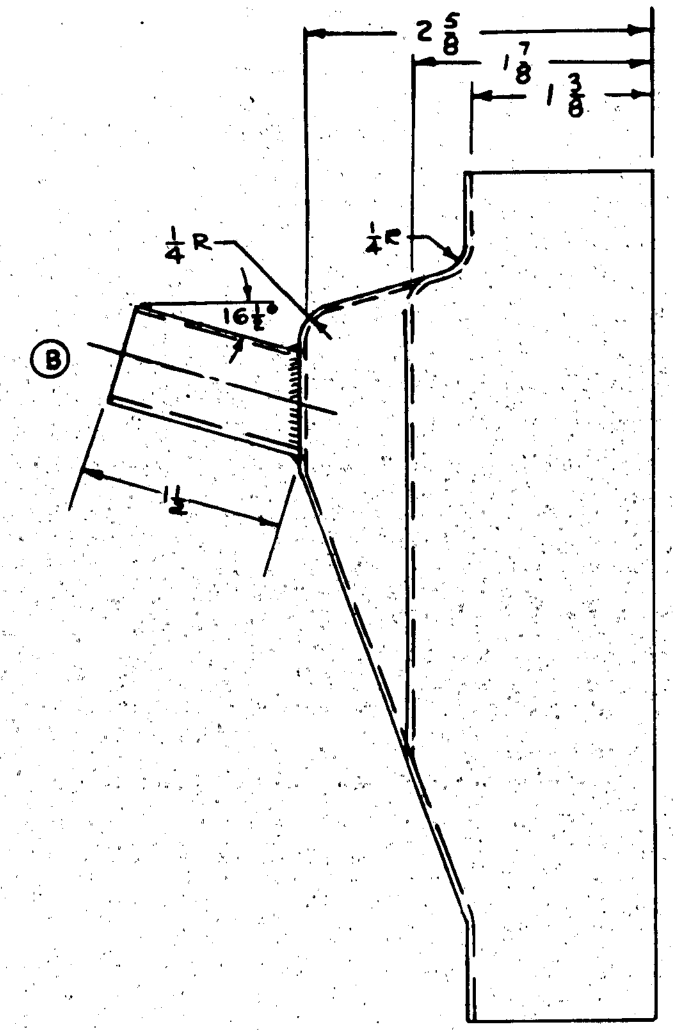
SCALE 12" = 1'-0"

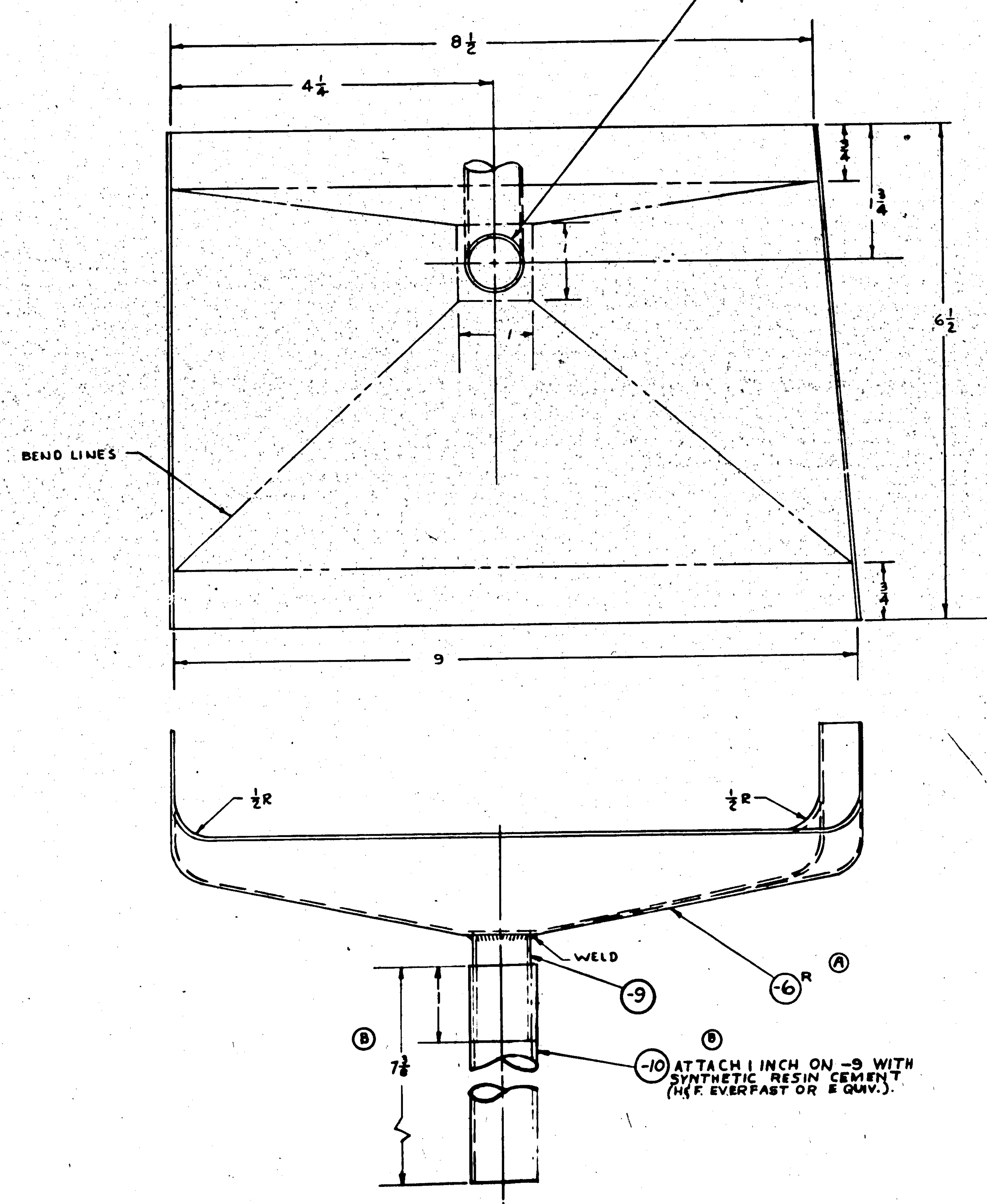
STAMP PART NUMBER WHERE SHOWN

NAVY NONE — FINISH 2-P-6P — HEAT TREAT

NAME SUPPORT ASSEMBLY - BOMBER'S SWITCH & INSTRUMENT PANELS

G 28F7699





Ⓐ NOTE:
1-R.H. PART SHOWN, L.H. OPPOSITE.
Ⓒ 2-MATERIAL FOR -10 TO BE- 3/4 I.D. X 1/16 WALL X 7 1/2, C.A.C.# TU-2-13, BLACK VINYL TUBING, HYFLEX OR EQUIV. MAY BE PURCHASED FROM IRVINGTON VARNISH & INSULATOR CO.

LET	ALTERED ON	DATE	BY
A	ON FACE -6R WAS -6. ADDED NOTE - "R.H. PART SHOWN L.H. OPPOSITE". NO WT CHG.	1-29-43	[illegible]
B	-9(.051X3/4 O.D.X1 5/8 AL.AL. TUBING WW-T-787(1)(F)) WAS -7(.051X3/4 O.D.X8 AL.AL.TUBING WW-T-787(1)(F)). ADDED -10(3/4 I.D.X7 1/2 BLACK VINYL TUBING (HYFLEX OR EQUIV.) (1)(F)). DIM. 1 1/8 WAS 7/8 & ADDED 7 1/8 & 1. ADDED NOTE "ATTACH 1 INCH ON -9 WITH SYNTHETIC RESIN CEMENT (H&F EVERFAST OR EQUIV.)" WT.CHG.NEG.	7-20-43	[illegible]
C	IN B/M FOR -10. REPLACED STOCK "3/4 I.D. X 7 1/2" & MAT. "BLACK VINYL TUBING HYFLEX OR EQUIV." WITH "NOTED". ADDED NOTE #2 TO FACE. NO WT CHG.	7-12-46	[illegible]
D	IN BM FOR -9 STOCK .049X3/4 O.D.X1 5/8 WAS .051X3/4 O.D.X1 5/8. WT. CHG. NEG.	8-23-48	LARSEN

ASSY. DASH NO.	MODEL	NEXT ASSY	REQ.
-L	PBY-5	28F6796	1
-R	PBY-5	28F6796	1
-L	PBY-5A	28F6796	1
-R	PBY-5A	28F6796	1

c 91876 "30 / 346 / 04
NOa(s) 464

REQUIREMENTS PER AIRPLANE

REPLACES — .70 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0 LH	RH	REQ. -2 LH	RH
-10	NOTED	NOTED		1	1		
-9	.049X3/4 O.D.X1 5/8	AL.AL. TUBING	WW-T-787	1	1		
-6R	.032X10X16	AL.AL.	47A11-A		1		
-6	.032X10X16	AL.AL.	47A11-A	1			

PARTS LIST PER ASSY.

A.C. — NAVY — HEAT TREAT
ZP-GP — FINISH
DRAFT 10-20-42 — CHECK — STRUCT — MAT — APPROV — ENG.

NAME DRAIN-EXHAUST OUTLET-WING-ANTI-ICING SYSTEM

OPP. HAND 28F7800-R

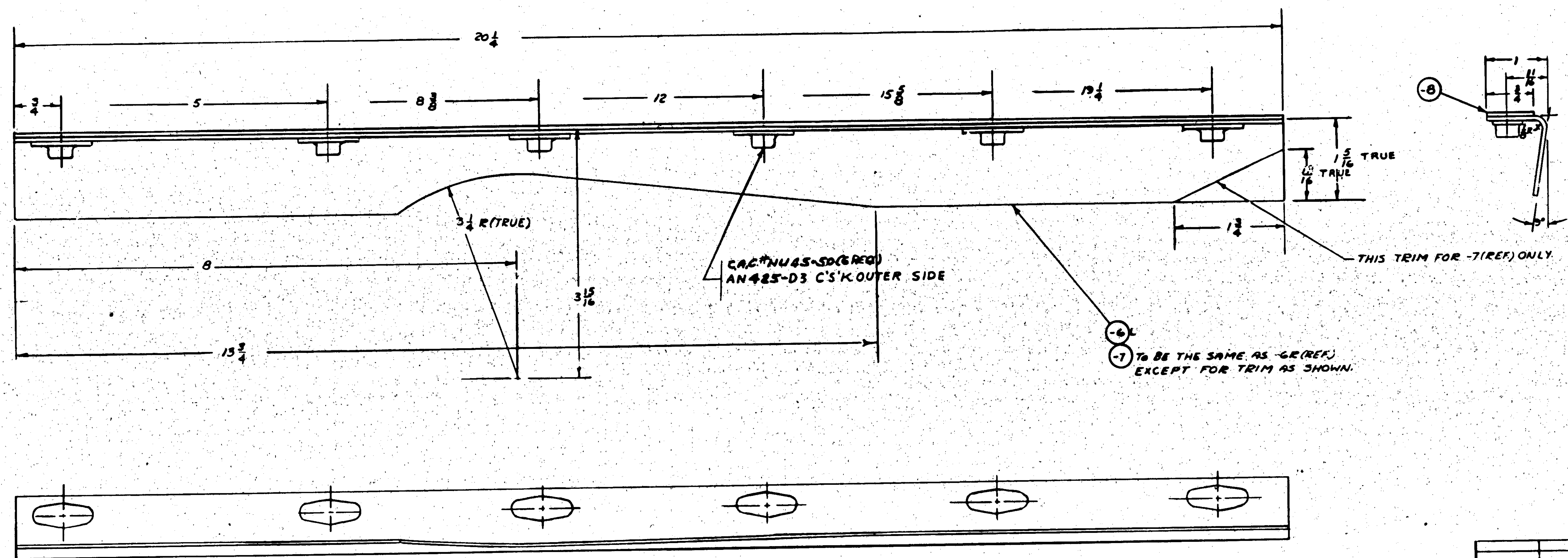
DWG. G 28F7800

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY R.B. Humphreys 10-25-42

28F7800 R 12-7-42

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	REMOVED AN960-6L6(12) WT. CHG. NCG.		



NOTE:
INSULATE ALL DISSIMILAR METALS WITH ZINC CHROMATE PASTE.

NOTE: C.A.C. # NU45-50 MAY BE PURCHASED FROM ELASTIC STOP NUT CORPORATION BEVERLY HILLS, CALIFORNIA.
VENDORS NO. 79-H-A1-02 OR EQUIV.
C.A.C. # FAB # 13 MAY BE PURCHASED FROM U.S. RUBBER CO.
VENDORS NO. STYLE D-63 OR EQUIV.

MCR 23-10 { C13595 ; C31876 # 346/AN }

ASSY DASH No.	MODEL	NEXT ASSY	NO.
-8	PBY-5A	28F7802	1
-R	PBY-5A	28F7802	1
-L	PBY-5A	28F7802	1
-8	PBY-5	28F7802	1
-R	PBY-5	28F7802	1
-L	PBY-5	28F7802	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6772 OF 3/22/42 — .33 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & 1/2° — SCALE 12"-1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN425-D3								
C.A.C. # NU45-50				6 6 6				
-8	1/16 x 7/8 x 20 7/8	NEO.ASB.	FAB.13	1 1 1				
-7	.051 x 2 1/2 x 20 3/8	ALCLAD	47A8-T	1				
-6R	.051 x 2 1/2 x 20 3/8	ALCLAD	47A8-T	1				
-6L	.051 x 2 1/2 x 20 3/8	ALCLAD	47A8-T	1				

PARTS LIST PER ASSY.

A.C.
NAVY NONE — HEAT TREAT
Z-D-GP — FINISH
DRAFT 11-30-41 — CHECK — STRESS — MAT — APPROVAL — ENG.

OPP. HAND 28F7805-R

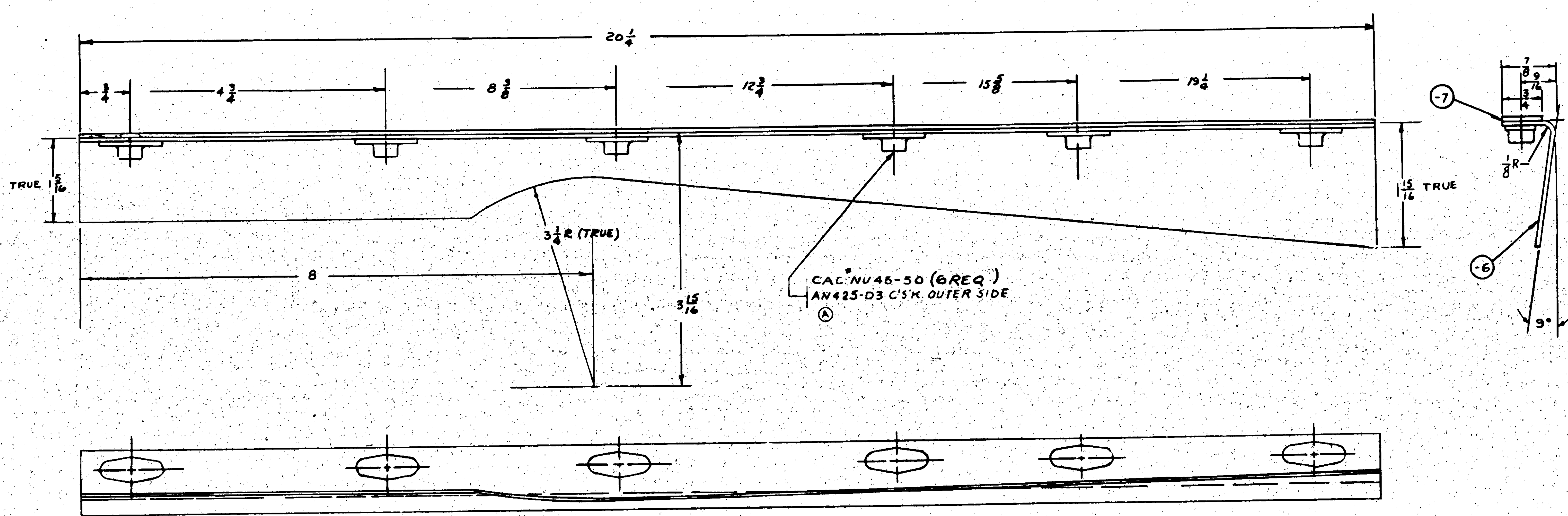
NAME SUPPORT G. ANGLE-FURN.-RIGHT EXHAUST HEAT EXCH'GER FAIRING

DWG. SIZE G — 28F7805

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY
A	REMOVED AN960-AL6 (12). WT. CHG. NEG.	7-13-43	



NOTE: C.A.C. # NU 45-50 MAY BE PURCHASED FROM ELASTIC STOP NUT CORP., BEVERLY HILLS, CALIF. VENDORS NO. 73-H-A1-02, OR EQUIV.
C.A.C. # FAB-13 MAY BE PURCHASED FROM THE UNITED STATES RUBBER CO. VENDORS NO. STYLE D-53 OR EQUIV.

NOTE:
INSULATE ALL DISSIMILAR METALS WITH ZINC CHROMATE PASTE.

M.C.R 23-10

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7802	1
	PBY-5	28F7802	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F6773 OF 3/24/42 — .45 CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0 REQ. LH	-0 REQ. RH
AN425-D3				6	
C.A.C. # NU 45-50				6	
-7	1/16 x 13/16 x 20 7/8	NEO.ASR.	FAB-13	1	
-6	.051 x 3 x 20 7/8	ALCLAD	4TA8-T	1	

PARTS LIST PER ASSY.

A G
NAVY NONE — Z.P.-GP
HEAT TREAT — FINISH
DRAFT: WALLACE 11-25-42 — CHECK — STRUCT — MA — APPROV.

NAME **SUPPORTS ANGLE-FURN-LEFT EXHAUST HEAT EXCHANGER FAIR'G.**

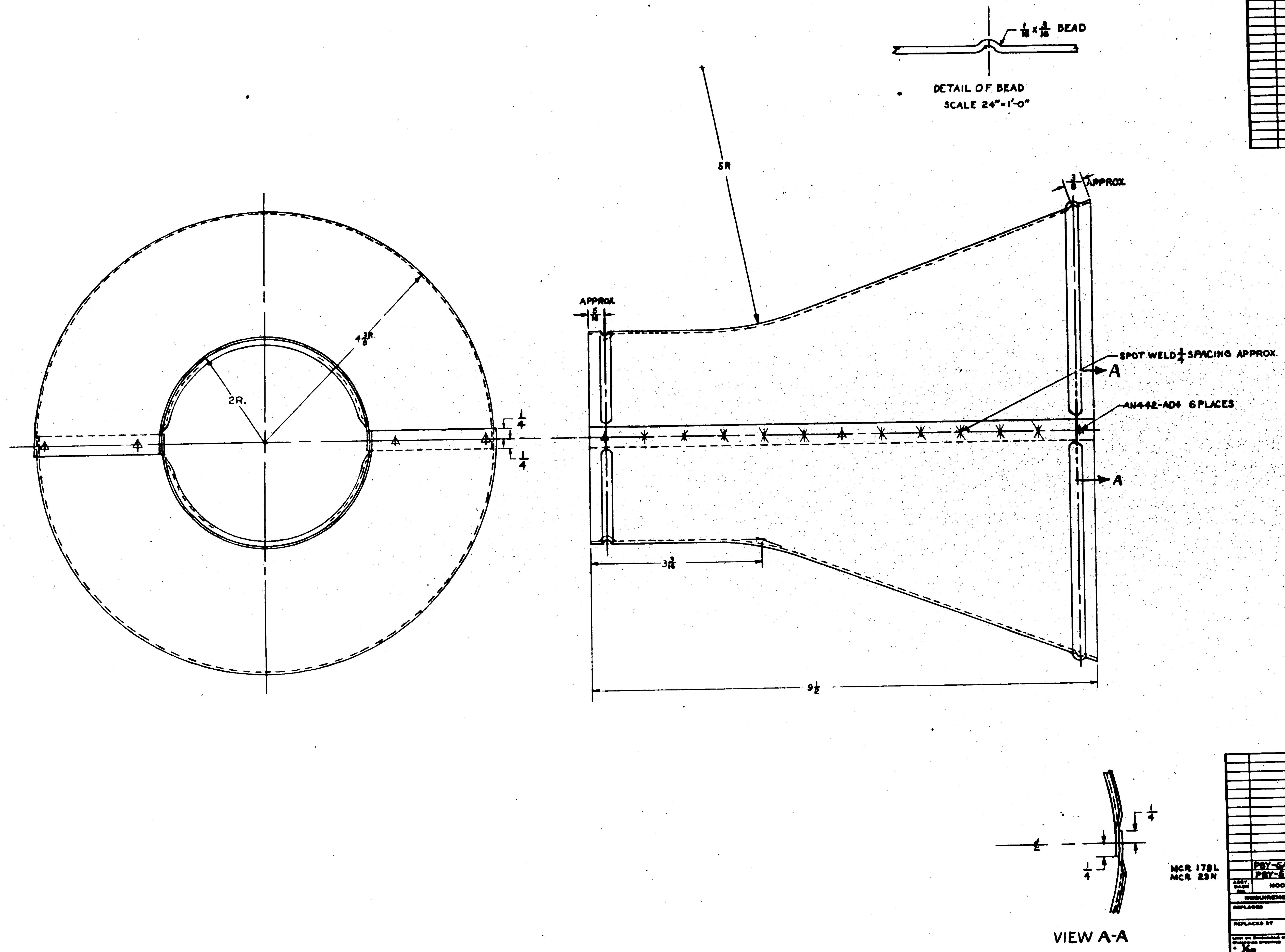
OPP. HAND

DWG SIZE G — 28F7806

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

REQUIREMENTS PER AIRPLANE
5.66
STAMP PART NUMBER WHERE SHOWN
26F7851
SUB. ASS'Y.
PARTS LIST PER ASSY
STEWNT
EMPENNAGE
HEATER
CONSOLIDATED AIRCRAFT CORP.



MCR 178L
MCR 23N

APPROVED FOR TOOLING BY
F. Howarth
6/29/43

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F7849	1
	PBY-5	28F7849	1

REQUIREMENTS PER AIRPLANE

REPLACES — .52 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN442-D-4								
-6	.032 X 11 X 14½	24ST ALC.	AN-QQ-A362 II					

PARTS LIST PER ASSY.

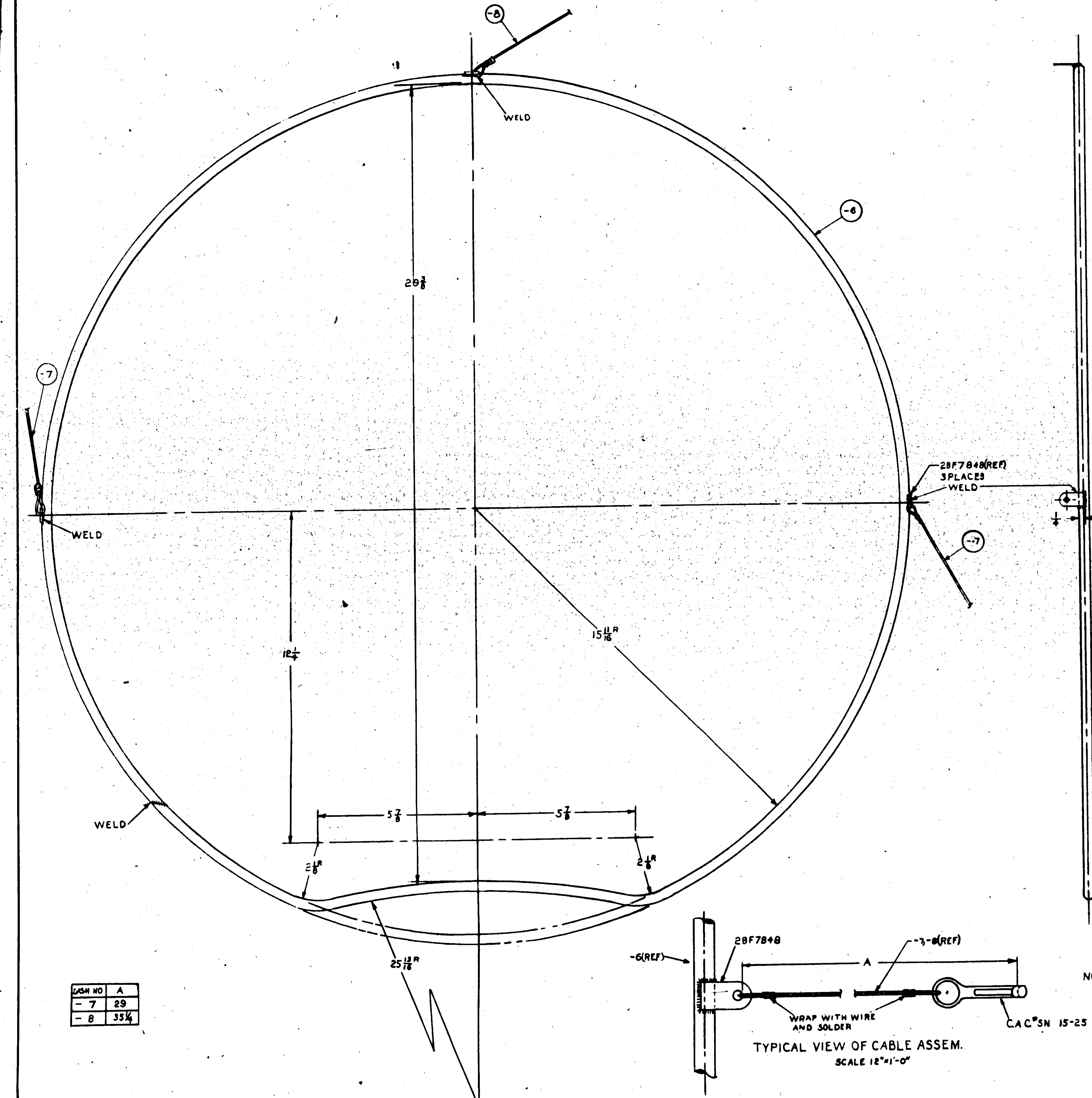
A C
NAVY NONE — HEAT TREAT
Z-P -OP — FINISH
6/4/43 — DRAFT, CHECK, STRUCT, MAT., APPROV., ENG.
OPP. HAND

NAME FUNNEL-EMPENNAGE ANTI-ICING HEATER SCOOP

DWG. SIZE G — 28F7850

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F7850R



DASH NO	A
-7	29
-8	$35\frac{1}{4}$

NOTE:
CAC. #SN 15-25 MAY BE PURCHASED FROM NORTH & JUDD MFG. CO., NEW BRITAIN, CONN., VENDORS NO. 341 OR EQUIV.

APPROVED FOR TOOLING BY
F. Howard 6/29/43

MCR. 178L
MCR. 83N

MODEL	NEXT ASSY.	REQ.
PBY-5A	28F7849	1
PBY-5	28F7849	1

REQUIREMENTS PER AIRPLANE

1.70 CALC. WT.

SCALE 6"=1'-0"

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
CAC #SN 15-25				3
28F7848				3
-8	7X7X$\frac{1}{16}$X$35\frac{1}{2}$	ST. STL. CABLE	AN-RR-C-48	1
-7	7X7X$\frac{1}{16}$X32	ST. STL. CABLE	AN-RR-C-48	2
-6	$\frac{3}{8}$O.D.X.049X102	CARBON STEEL 1025 TUBING	AN-WW-T-846	1

PARTS LIST PER ASSY.

A C		
NAVY	Z-P-GP	6/4/43 STEWART
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV / ENG.

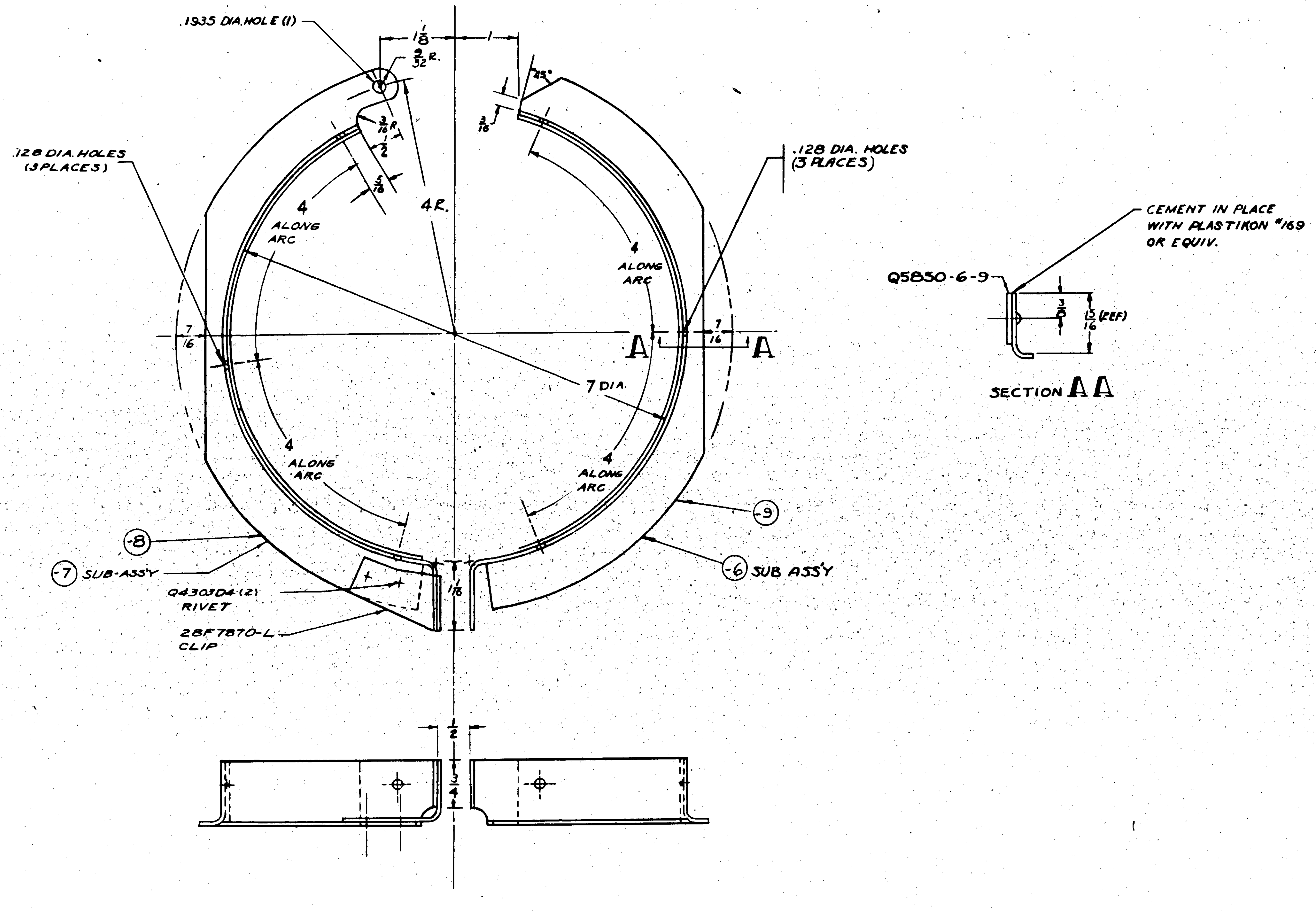
NAME HOOP ASS'Y-EMPENNAGE ANTI-ICING HEATER SCOOP

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F7851

FERRIS R 28F7851

LET	ALTERATION	DATE	BY
A	IN B/M REMOVED REQM'TS FOR -0 ASS'Y (CALLED OUT AS -6 & -7) & IN REQ/AIRP BLOCK REMOVED -0 (6) REQ & REPLACED WITH -6 & -7 (6 EACH) REQ. NO WT. CHG	9-6-43	BENNE



APPROVED FOR TOOLING BY Gorsline 8-10-43

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
Q4303D4								
Q5850-6-9								
28F7870-L								
-8	Y6A-21T X 11 3/16							
-7	SUB ASS'Y							
Q5850-6-9								
-9	Y6A21T X 12							
-6	SUB ASS'Y							

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-7	PBY-5A	28F7860	6
-6	PBY-5A	28F7860	6

MCR-221-B4

REQUIREMENTS PER AIRPLANE

REPLACES — .20 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

AC

NAVY NONE — HEAT TREAT

Z-P-GP — FINISH

DRAFT: 6-19-43 — CHECK — STRUCT — MAT — APPROV — ENG

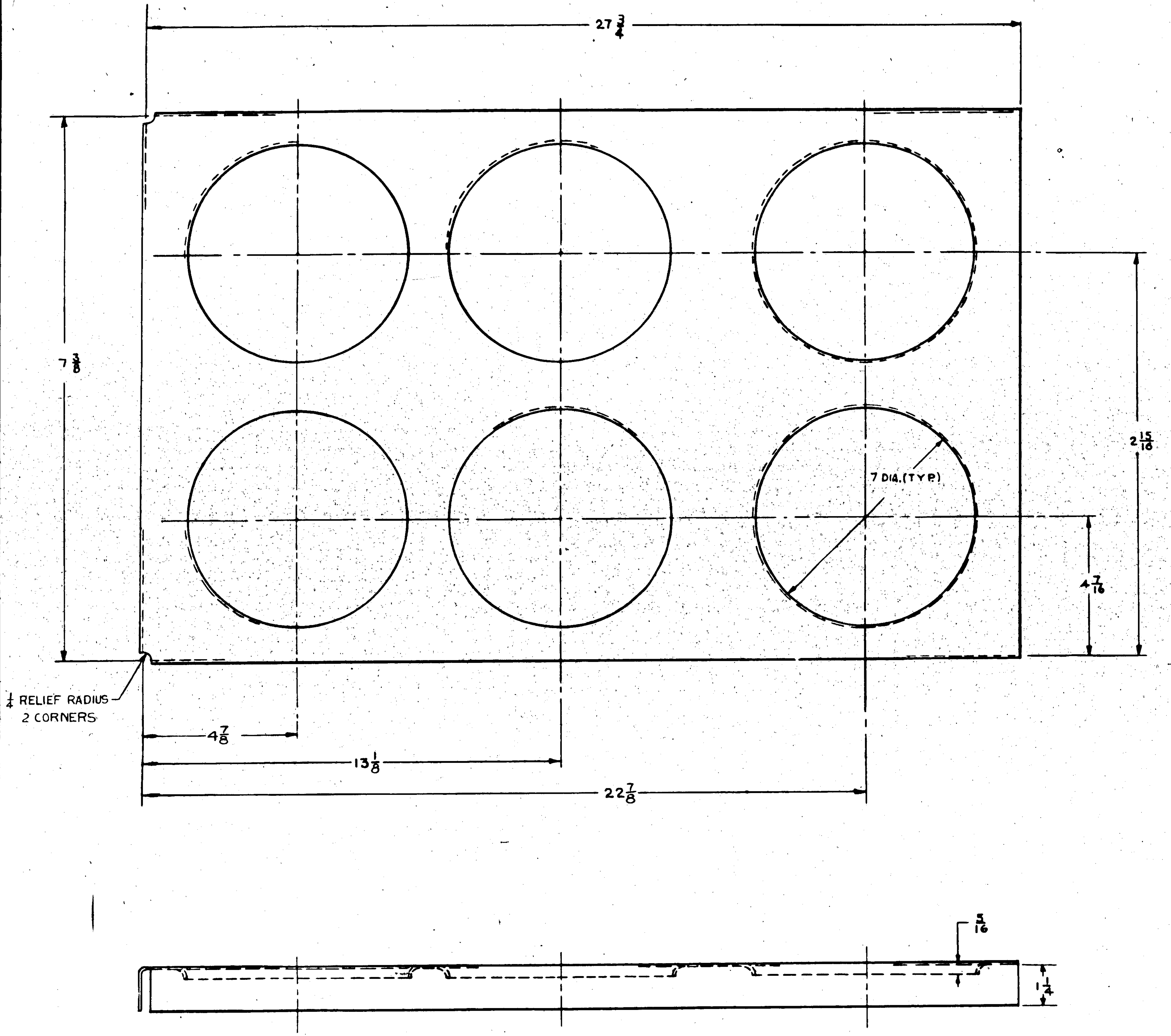
OPP HAND NONE

NAME: FASTENER ASSEMBLY OXYGEN BOTTLES

DWG SIZE G — 28F7861

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

R 28F7861



ALL BEND RADII 1/4

M.C.R. 221-B-4

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F7860	1

REQUIREMENTS PER AIRPLANE

REPLACES — 3.25 CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.064 x 20 1/8 x 29 1/4	ALCLAD	QQ-A-362-T

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

A C

NAVY NONE — HEAT TREAT

Z-P-GP — FINISH

6-18-43 COLLINS — DRAFT; 8-18-43 — CHECK; STRUCT; MAT; APPROV; ENG.

OPP. HAND NONE

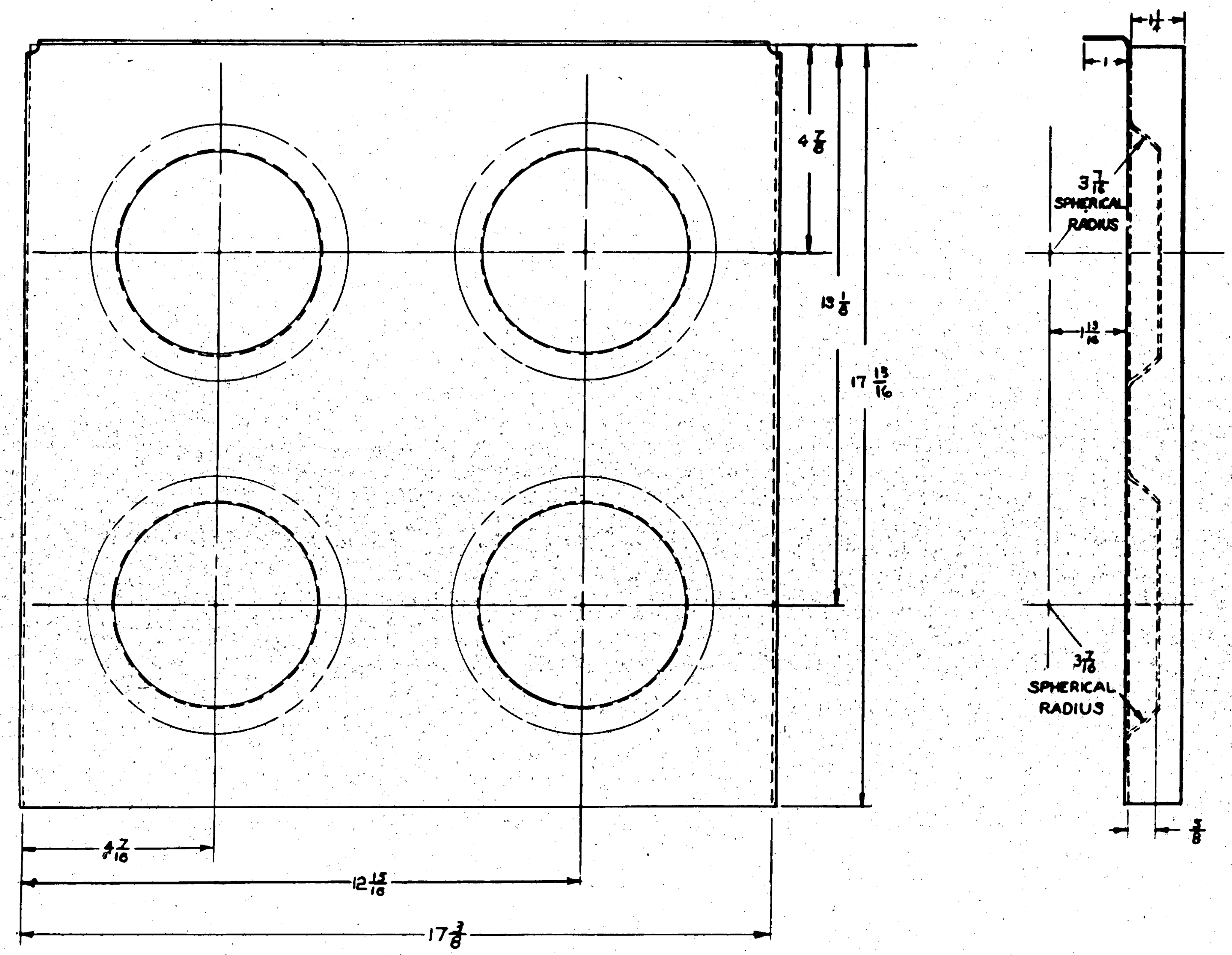
NAME SUPPORT- OXYGEN BOTTLES-UPPER

DWG SIZE G — 28F7862

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

APPROVED FOR TOOLING BY GORSLINE 8-10-43

R 28F7862



M.C.R. 2218-4

ASSY DASH No	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F7859	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.98 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.064 X 19 1/4 X 20 1/4	ALCLAD	QQ-A-362-T					

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY NONE	ZP-GP	STEWART 6-17-43	6-19-43			7/29/43	
HEAT TREAT	FINISH						

OPP. HAND NONE

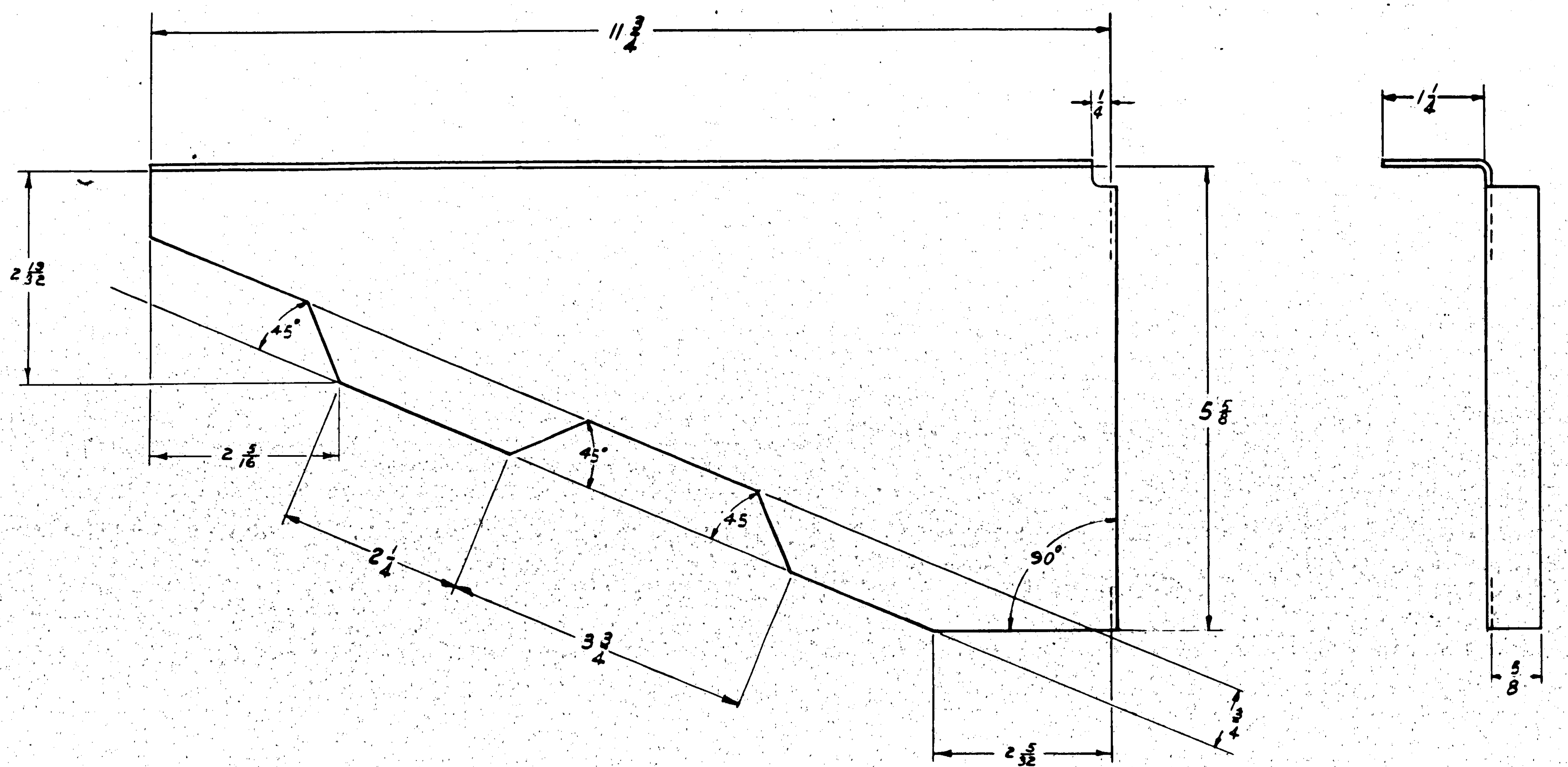
NAME SUPPORT-OXYGEN BOTTLES-LOWER AFT

DWG. SIZE G 28F7864

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY Gorsline 8-10-43

R 28F7864



NOTE: 3/32 BEND RADII

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

M.C.R. 2218-2-38

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28F7685	1
	PBY-5A	28F7886	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT .9

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS: ± 1/32 ∠ ± 1/2° — SCALE 12" 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.064 x 1 2 3/4 x 7 1/2	ALCLAD	24A362-T

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

APPROVED FOR TOOLING BY

F Howard 8/17/43

A C	
NAVY NON	Z-P-GP
HEAT TREAT	FINISH

DRAFT 7-27-43 · CHECK 8-19-43 · STRUCT · MAT · APPROV 8-31-43 · ENG.

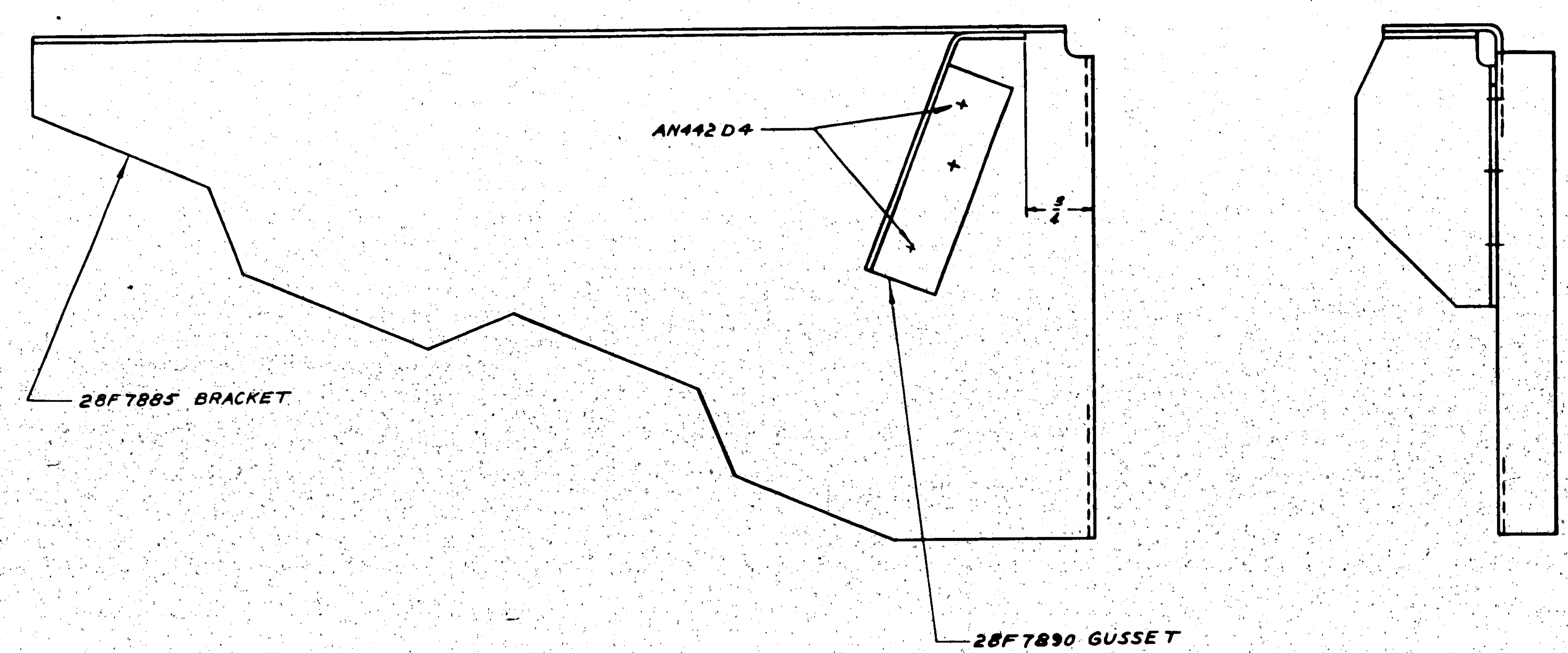
OPP. HAND NONE

NAME BRACKET CENTRAL HEATER SUPPORT

DWG. SIZE G — 28F7885

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28F7885 R



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
AN442-D4								
28F7890								
28F7885								

PARTS LIST PER ASSY.

M.C.R. 2218-2-3

ASSY. DASH No.	MODEL	NEXT ASSY	NO.
	PBY-5A	28F7887	1

REQUIREMENTS PER AIRPLANE

REPLACES — .34 CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE: 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

APPPOVED FOR TOOLING BY J. Howarth 8/17/43

A C

NAVY

HEAT TREAT — FINISH

DRAFT: 7-30-43 — CHECK: 8-11-43 — STRUCT — MAT — APPROV: 8-31-43 — ENG.

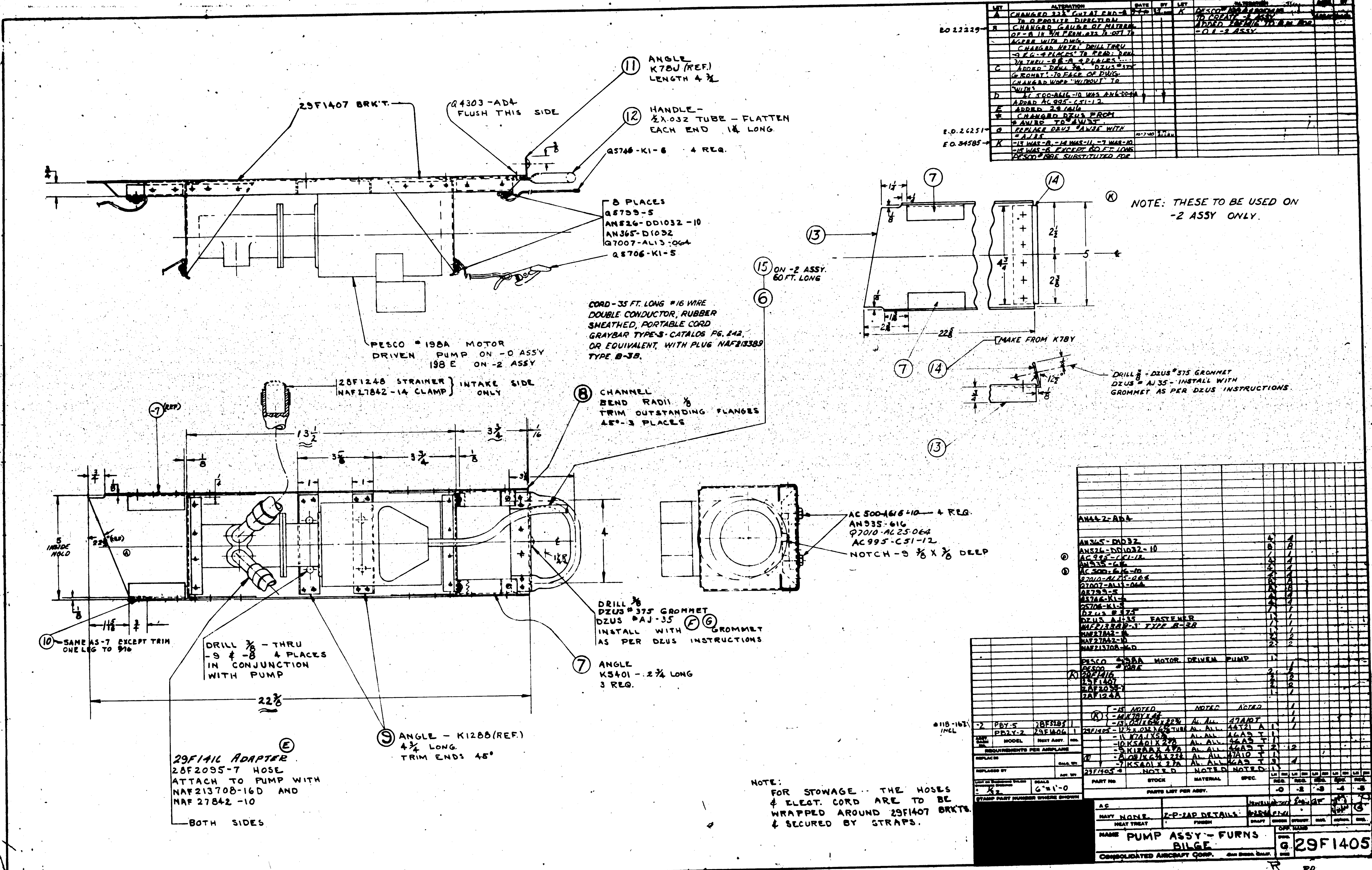
OPP. HAND NONE

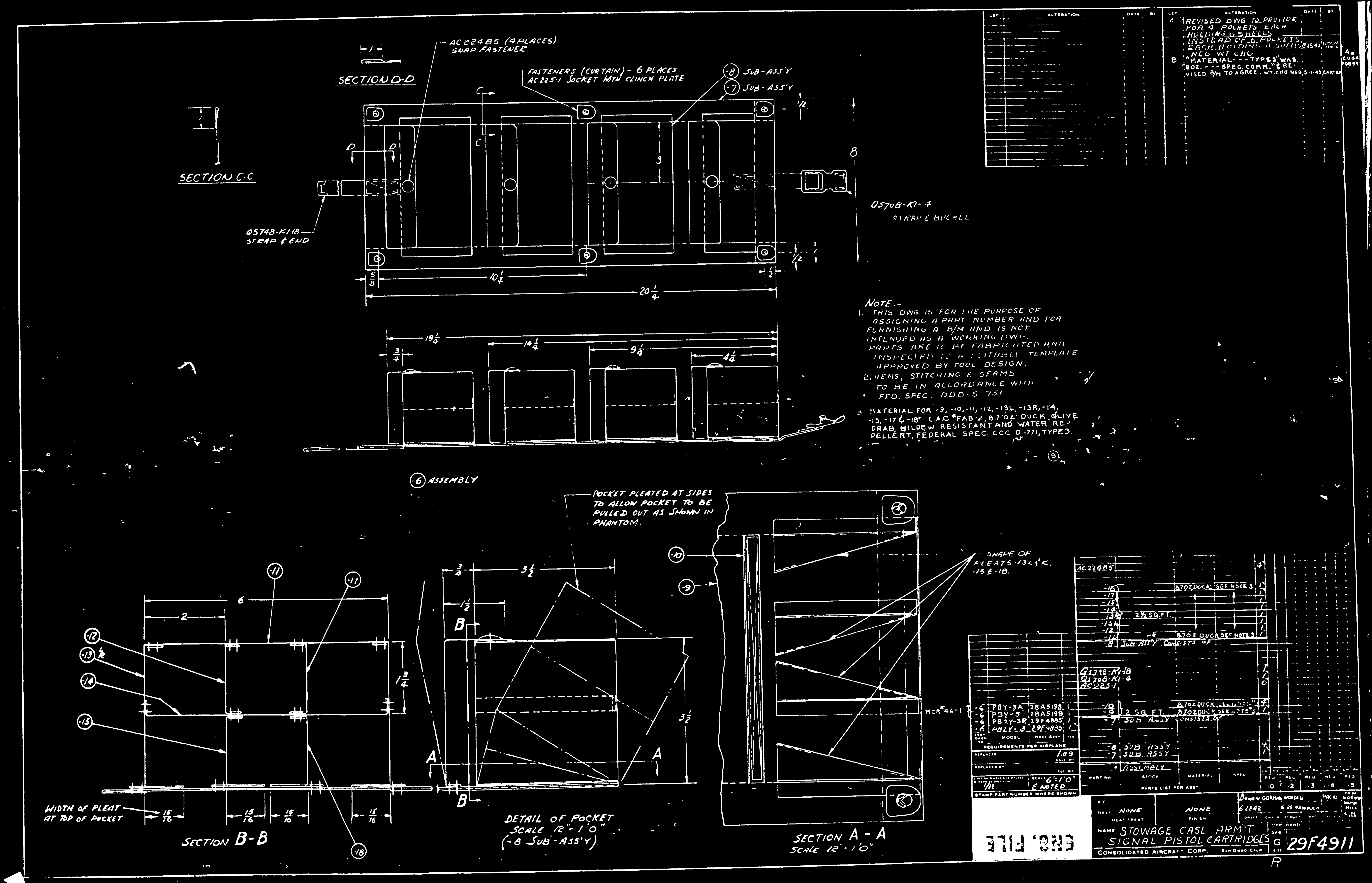
NAME BRACKET ASSENBLY-CENTRAL HEATER FWD SUPPORT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28F7886

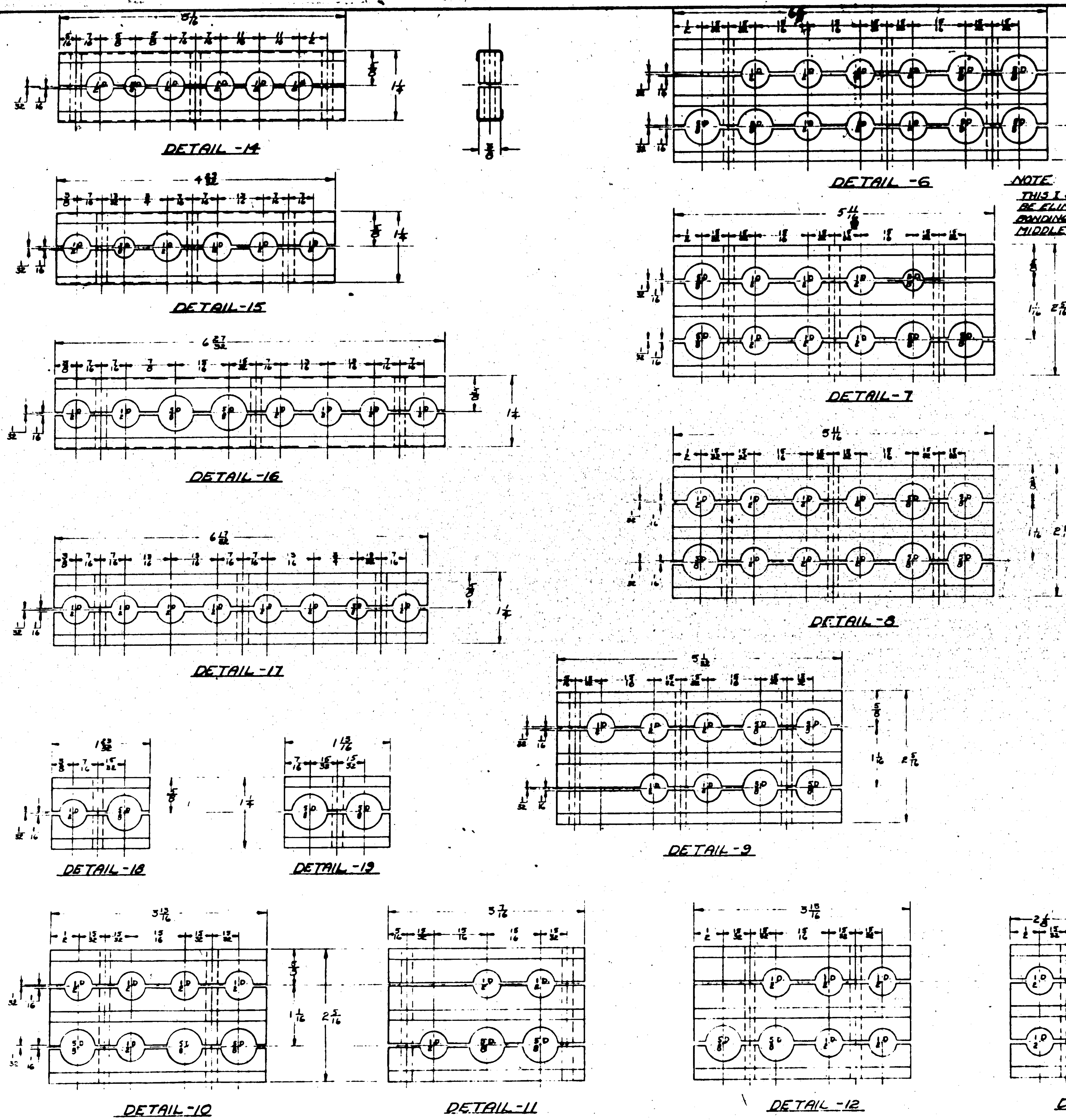
R 28F7886

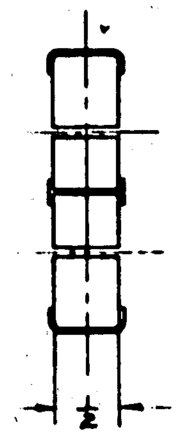

ANGLE K78J (REF.) LENGTH 4 3/4
HANDLE - 1/2 X .032 TUBE - FLATTEN EACH END 1 1/4 LONG
29F1407 BRK'T.
Q4303-AD4 FLUSH THIS SIDE
Q5746-K1-6 4 REQ.
8 PLACES Q5799-5 AN526-DD1032-10 AN365-D1032 Q7007-AL13-.064
Q5706-K1-5
PESCO #198A MOTOR DRIVEN PUMP ON -0 ASSY 198 E ON -2 ASSY
ON -2 ASSY. 60 FT. LONG
CORD - 35 FT. LONG #16 WIRE DOUBLE CONDUCTOR, RUBBER SHEATHED, PORTABLE CORD GRAYBAR TYPE-S CATALOG PG. 242, OR EQUIVALENT, WITH PLUG NAF213389 TYPE B-3B.
NOTE: THESE TO BE USED ON -2 ASSY ONLY.
MAKE FROM K78Y
DRILL 3/8 - DZUS #375 GROMMET DZUS # AJ 35 - INSTALL WITH GROMMET AS PER DZUS INSTRUCTIONS.
28F1248 STRAINER NAF27842-14 CLAMP } INTAKE SIDE ONLY
CHANNEL BEND RADII 1/8 TRIM OUTSTANDING FLANGES 45° - 3 PLACES
AC 500-A616-10 - 4 REQ. AN935-616 Q7010-AL25-.064 AC995-C51-12
NOTCH - 3 3/8 X 3/8 DEEP
5 INSIDE HOLD
SAME AS -7 EXCEPT TRIM ONE LEG TO 9/16
DRILL 3/8 - THRU -9 & -8 4 PLACES IN CONJUNCTION WITH PUMP
DRILL 3/8 DZUS #375 GROMMET DZUS #AJ-35 INSTALL WITH GROMMET AS PER DZUS INSTRUCTIONS
ANGLE K5401 - 2 3/4 LONG 3 REQ.
ANGLE - K1288 (REF.) 4 3/4 LONG. TRIM ENDS 45°
29F1416 ADAPTER 28F2095-7 HOSE ATTACH TO PUMP WITH NAF213708-16D AND NAF 27842-10
BOTH SIDES
NOTE: FOR STOWAGE THE HOSES & ELECT. CORD ARE TO BE WRAPPED AROUND 29F1407 BRKTS. & SECURED BY STRAPS.
AN442-AD4
AN365-D1032
AN526-DD1032-10
AC995-C51-12
AN935-616
AC500-616-10
Q7010-AL25-.064
Q7007-AL13-.064
Q5799-5
Q5746-K1-6
Q5706-K1-5
DZUS #375
DZUS AJ-35 FASTENER
NAF213389-3 TYPE B-3B
NAF27842-14
NAF27842-10
NAF213708-16D
PESCO #198A MOTOR DRIVEN PUMP
PESCO #198E
29F1416
29F1407
28F2095-7
28F1248
-15 NOTED NOTED NOTED
-14 K78Y X 4 1/2
-13 .051 X 6 3/4 X 22 5/8 AL. ALL. 47A10T
29F1405 -12 1/2 X .032 X 6 5/8 TUBE AL. ALL. 44T21 A
-11 K7A1 X 5 3/4 AL. ALL. 46A9 T
-10 K5401 X 2 7/8 AL. ALL. 46A9 T
-9 K1288 X 4 7/8 AL. ALL. 46A9 T
-8 .051 X 6 3/4 X 22 5/8 AL. ALL. 47A10 T
-7 K5401 X 2 7/8 AL. ALL. 46A9 T
29F1405-0 NOTED NOTED NOTED
PART NO. STOCK MATERIAL SPEC.
PARTS LIST PER ASSY.
-2 PBY-5 28F5285 1
PB2Y-2 29F1406 1
MODEL NEXT ASSY.
REQUIREMENTS PER AIRPLANE
SCALE 6" = 1'-0
STAMP PART NUMBER WHERE SHOWN
NAVY NONE HEAT TREAT
Z-P-2AP DETAILS FINISH
NAME PUMP ASS'Y - FURNS BILGE
G 29F1405
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



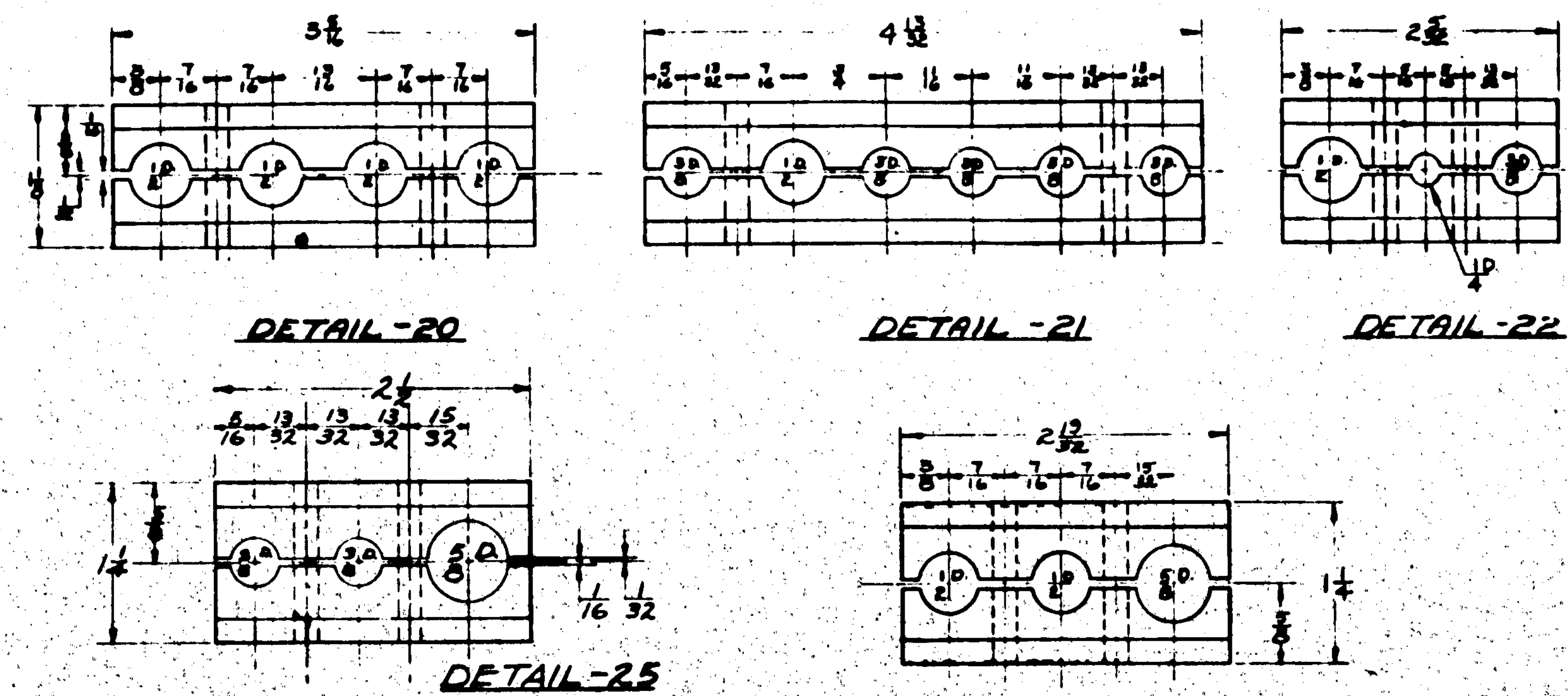
SECTION D-D
AC224B5 (4 PLACES) SNAP FASTENER
FASTENERS (CURTAIN) - 6 PLACES AC225-1 SOCKET WITH CLINCH PLATE
-8 SUB-ASS'Y
-7 SUB-ASS'Y
SECTION C-C
Q574B-K1-18 STRAP & END
Q570B-K1-4 STRAP & BUCKLE
-6 ASSEMBLY
NOTE:-
1. THIS DWG IS FOR THE PURPOSE OF ASSIGNING A PART NUMBER AND FOR FURNISHING A B/M AND IS NOT INTENDED AS A WORKING DWG. PARTS ARE TO BE FABRICATED AND INSPECTED TO A SUITABLE TEMPLATE APPROVED BY TOOL DESIGN.
2. HEMS, STITCHING & SEAMS TO BE IN ACCORDANCE WITH FED. SPEC. DDD-S-751
3. MATERIAL FOR -9, -10, -11, -12, -13L, -13R, -14, -15, -17 & -18 C.A.C. #FAB-2, 8.7 OZ. DUCK, OLIVE DRAB, MILDEW RESISTANT AND WATER REPELLENT, FEDERAL SPEC. CCC D-771, TYPE 3
A REVISED DWG TO PROVIDE FOR 4 POCKETS EACH HOLDING 6 SHELLS INSTEAD OF 6 POCKETS EACH HOLDING 4 SHELLS. NEG WT CHG
B MATERIAL - - - TYPE 3 WAS 8 OZ. - - - SPEC. COMM. & REVISED B/M TO AGREE. WT. CHG NEG
POCKET PLEATED AT SIDES TO ALLOW POCKET TO BE PULLED OUT AS SHOWN IN PHANTOM.
SHAPE OF PLEATS -13L & R, -15 & -18.
WIDTH OF PLEAT AT TOP OF POCKET
SECTION B-B
DETAIL OF POCKET SCALE 12" = 1'0" (-8 SUB-ASS'Y)
SECTION A-A SCALE 12" = 1'0"
-6 PBY-5A 28A5198
-6 PBY-5 28A5198
-6 PB2Y-3R 19F4885
-6 PB2Y-3 29F4885
REQUIREMENTS PER AIRPLANE
-8 SUB ASS'Y CONSISTS OF
-7 SUB ASS'Y CONSISTS OF
8.7 OZ DUCK SEE NOTE 3
2 SQ. FT.
Q574B-K1-18
Q570B-K1-4
AC225-1
AC224B5
-8 SUB ASSY
-7 SUB ASSY
-6 ASSEMBLY
PARTS LIST PER ASSY
ENG. FILE
NAME STOWAGE CASE ARM'T SIGNAL PISTOL CARTRIDGES
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
G 29F4911

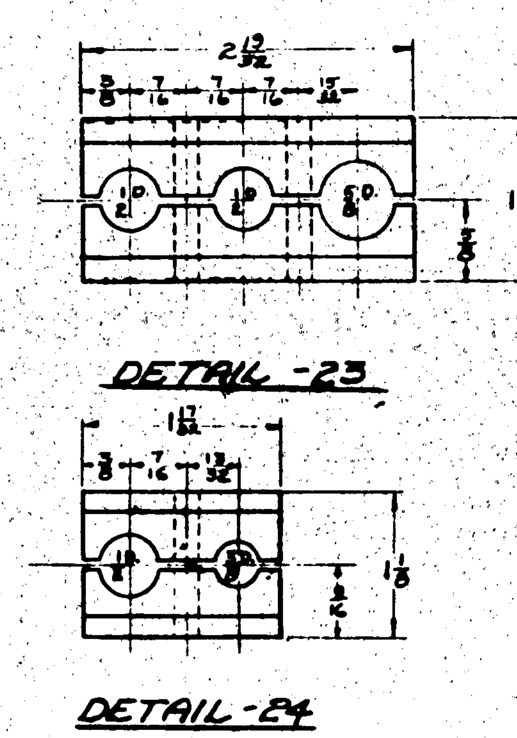
LET	ALTERATION	DATE	BY
A	ADDED -23	5-7-40	[illegible]
B	ADDED -24	7-8-40	[illegible]
C	ADDED -25	[illegible]	[illegible]
D	REMOVED B24C & B24D PARTS FOR -24 IN REQTS FOR AIRPLANE BLOCK	6-26-4[illegible]	[illegible]
E	NOTE #6 "ALL SURFACES..... HOLES" WAS NOTE #2 "ANODIZE ... PARTS." FOR SHIPS B24D & B24E. WT. CNG NEG	[illegible]	[illegible]





NOTE
THIS I SECTION CAN BE ELIMINATED IF BONDING STRIP CAN BE SECURED TO MIDDLE SECTION BY SOME OTHER METHOD





DASH NO	TYPE	WT.
32F595-6	ADEL A-800-A-50-16	.30
-7	↕	.28
-8	↕	.25
-9	↕	.23
-10	↕	.19
-11	↕	.19
-12	↕	.19
-13	ADEL A-800-A-50-16	.14
-14	ADEL A-800-A-50-12	.08
-15	↕	.08
-16	↕	.10
-17	↕	.09
-18	↕	.02
-19	↕	.02
-20	↕	.04
-21	↕	.05
32F595-22	ADEL A-800-A-50-12	.03
-23	" " " "	.04
-24	" " " "	.02
-25	" " " "	.04

NOTES

1. CLIPS MAY BE PURCHASED FROM ADEL PRECISION PRODS. CO., BURBANK, CALIF. (SEE SEPARATE BREAKDOWN FOR TYPE)
2. ANODIZE ALL ALUM. ALLOY PARTS. (ALL SHIPS EXCEPT B24D & B24E)
3. ALL BONDING TO BE 3/8 x .0063 ALUM. SHEET - SPEC. 57-151-1 TYPE A.
4. ALL ATTACHMENT HOLES TO BE "DRILL #10 (.193) THRU"
5. SEE RELEASE SHEETS FOR NEXT ASS'Y. REQTS
6. ALL SURFACES TO BE PRIMED EXCEPT WITHIN VICINITY OF 1/8 INCH OF ATTACHING HOLES (FOR B24 & B24E ONLY)

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	B24E, B24D	SEE NOTE #5	
-20	PBY-5A	28F6500	3
	PBY-5A	SEE NOTE #5	
SEE NOTE #5. →			

REQUIREMENTS PER AIRPLANE

REPLACES — NOTED CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE FULL
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	LH RH REQ -0	LH RH REQ -2	LH RH REQ -3	LH RH REQ -4	LH RH REQ -5
-6								

PARTS LIST PER ASSY.

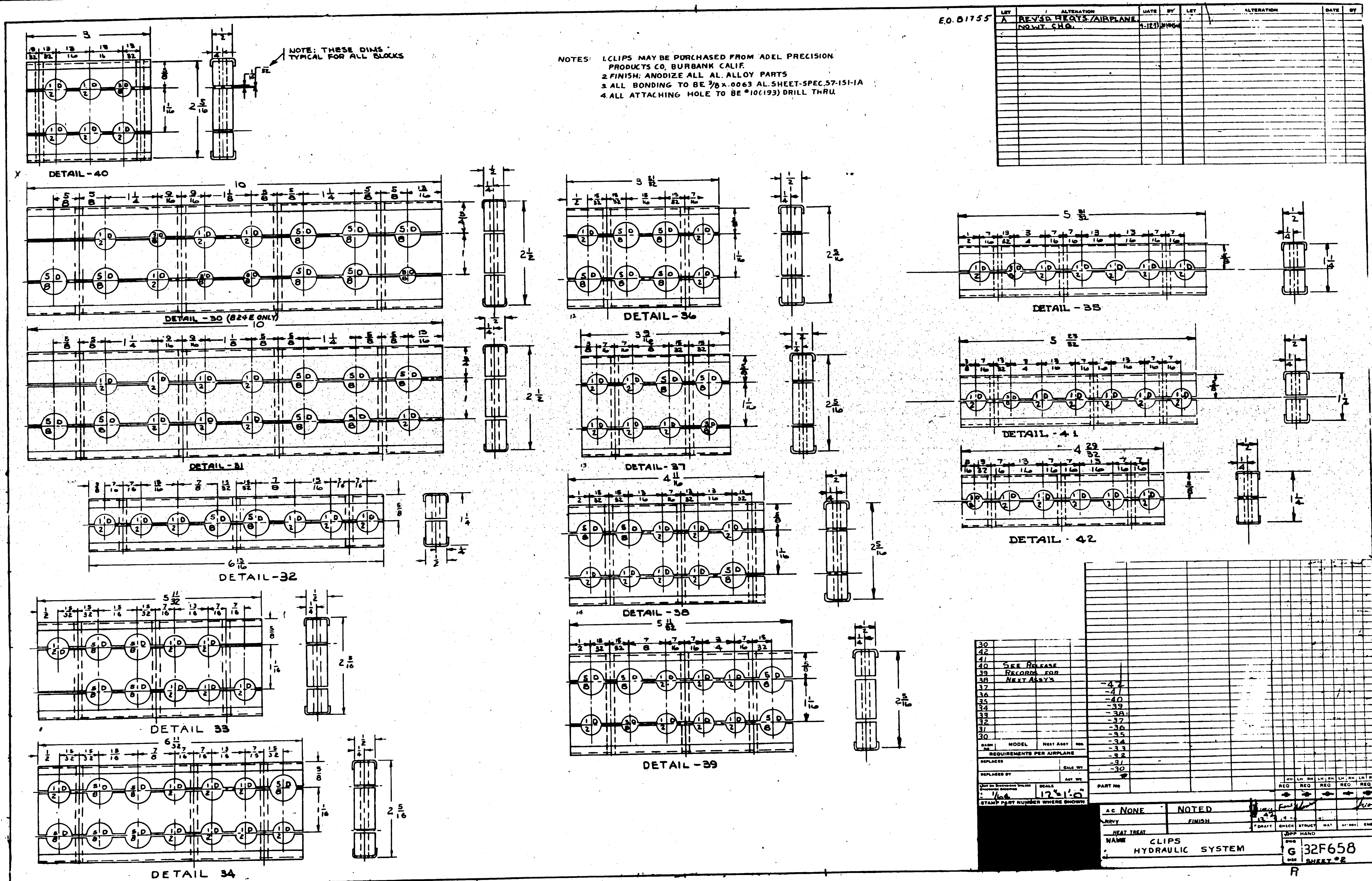
AC NONE	NOTED	2-7-40				
NAVY		SAVILLE				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV

NAME — CLIPS — HYDRAULIC SYSTEM

OPP. HAND
DWG. SIZE G — 32F595

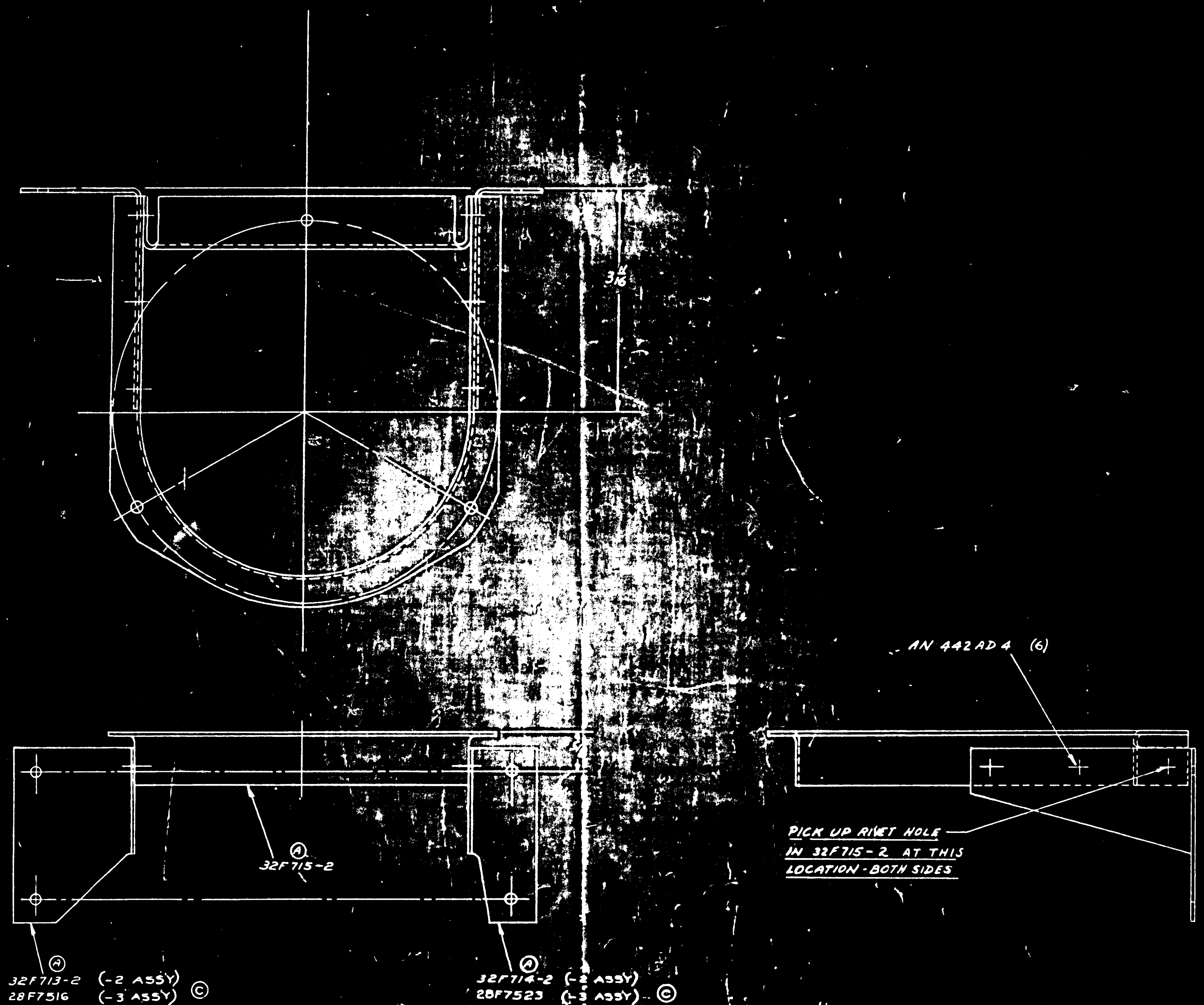
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

CHECKED BY [illegible] DATE 4-25-41



E.O. 81755
A REV'SD REQTS./AIRPLANE. NO WT. CHG. 4-12-43
NOTE: THESE DIMS. TYPICAL FOR ALL BLOCKS
NOTES: 1. CLIPS MAY BE PURCHASED FROM ADEL PRECISION PRODUCTS CO. BURBANK CALIF.
2. FINISH: ANODIZE ALL AL. ALLOY PARTS
3. ALL BONDING TO BE 3/8 x .0063 AL. SHEET-SPEC. 57-151-1A
4. ALL ATTACHING HOLE TO BE #10(.193) DRILL THRU.
DETAIL - 40
DETAIL - 30 (B24E ONLY)
DETAIL - 31
DETAIL - 32
DETAIL 33
DETAIL 34
DETAIL - 36
DETAIL - 37
DETAIL - 38
DETAIL - 39
DETAIL - 35
DETAIL - 41
DETAIL - 42
SEE RELEASE RECORDS FOR NEXT ASSY'S
REQUIREMENTS PER AIRPLANE
STAMP PART NUMBER WHERE SHOWN
SCALE 12" = 1'-0"
A.C. NONE
NOTED
FINISH
HEAT TREAT
NAME CLIPS HYDRAULIC SYSTEM
G 32F658
SHEET #2

LET	ALTERATION	DATE	BY
A	CREATED -2 ASSY TO REPLACE -0 ASSY. 32F713-2, 'F714-2, & 'F715-2 WERE 32F713-0, 'F714-0, & 'F715-0 RESP.	11/25/41	HAIG
B	[illegible]	11-4-42	JUNGK
C	CREATED -3 ASSY. NO WT CHG	4-10-43	WAGLEY



	ASSY DASH NO	MODEL	NEXT ASSY	REQ
MCR 156 5	-3	PBY5A	28B5516	1
	-2	PBY5A	28B5516	1
	-2	28-5AMN	28B5516	1
	-2	28-5AMC	28B5516	1
	-2	PB2Y-3	32F717	1
	-2	XPB2Y-3	32F717	1
MCR 301	-2	B-24E	32F6467	1
	-2	B-24D	32F717	1
	-2	B-24C	32F717	1

REQUIREMENTS PER AIRPLANE

PART NO	STOCK	MATERIAL	SPEC
AN442AD4			
28F7523			
28F7516			
32F715-2			
32F714-2			
32F713-2			

PARTS LIST PER ASSY — REQ -0, -2, -3, -4, -5

REPLACES — .35 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

ENG. FILE

AC NONE — CAC ZF-32 C01

NAVY — HEAT TREAT — FINISH

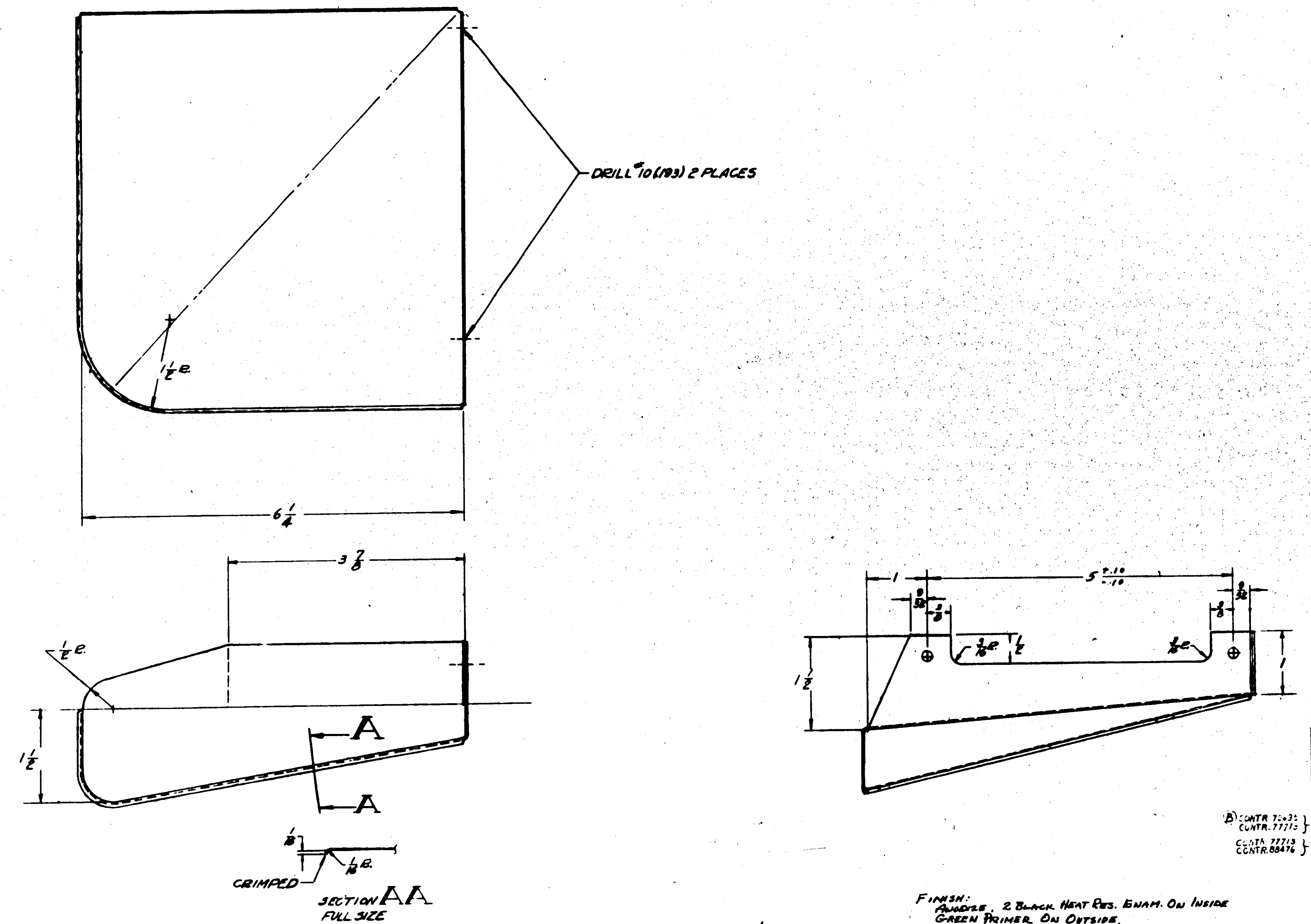
DRAFT 5-7-41 — CHECK 5-7-41 — STRUCT — MAT — APPRO — ENG

NAME ASSY BRACKET-ACCUMULATOR — OPP HAND — DWG SIZE G — 32F785

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

E.O. A16315 K

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	REL. AFTER RUSH REL.	1-31-41					
B	ADDED OPP PART 32F1723-R & NEXT ASS'Y (28F6175) PBY-5A (-R ASS'Y)	1-3-42					



THIS DRWG. HAS BEEN RUSH RELEASED FOR 5 SETS OF PARTS.

ALL BEND RADII 1/8 EXCEPT AS NOTED

FINISH:
ANODIZE, 2 BLACK HEAT RES. ENAM. ON INSIDE
GREEN PRIMER ON OUTSIDE.

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28F6197	1
L	28-5MC	28F6038	1
L	28-5AMC	28F6038	1
L	PBY-5A	28F6197	1
	PBY-5B	28F6038	1
			1
R	28-5AMC	28F6035	1
R	PBY-5A	28F6035	1
L		32F3206	1
L		32F3206	1

(B) CONTR. 70435, CONTR. 77713 ; CONTR. 77713, CONTR. 88476

REQUIREMENTS PER AIRPLANE

REPLACES — .180 CALC. WT.
REPLACED BY — ACT. WT.
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
	.032 × 7 3/4 × 8 1/4	ALCLAD	11067-I	1 1				

PARTS LIST PER ASSY.

A C / NAVY / HEAT TREAT — FINISH — DRAFT 1-28-41 — CHECK — STRUCT — MAT FAF — APPROV — ENG

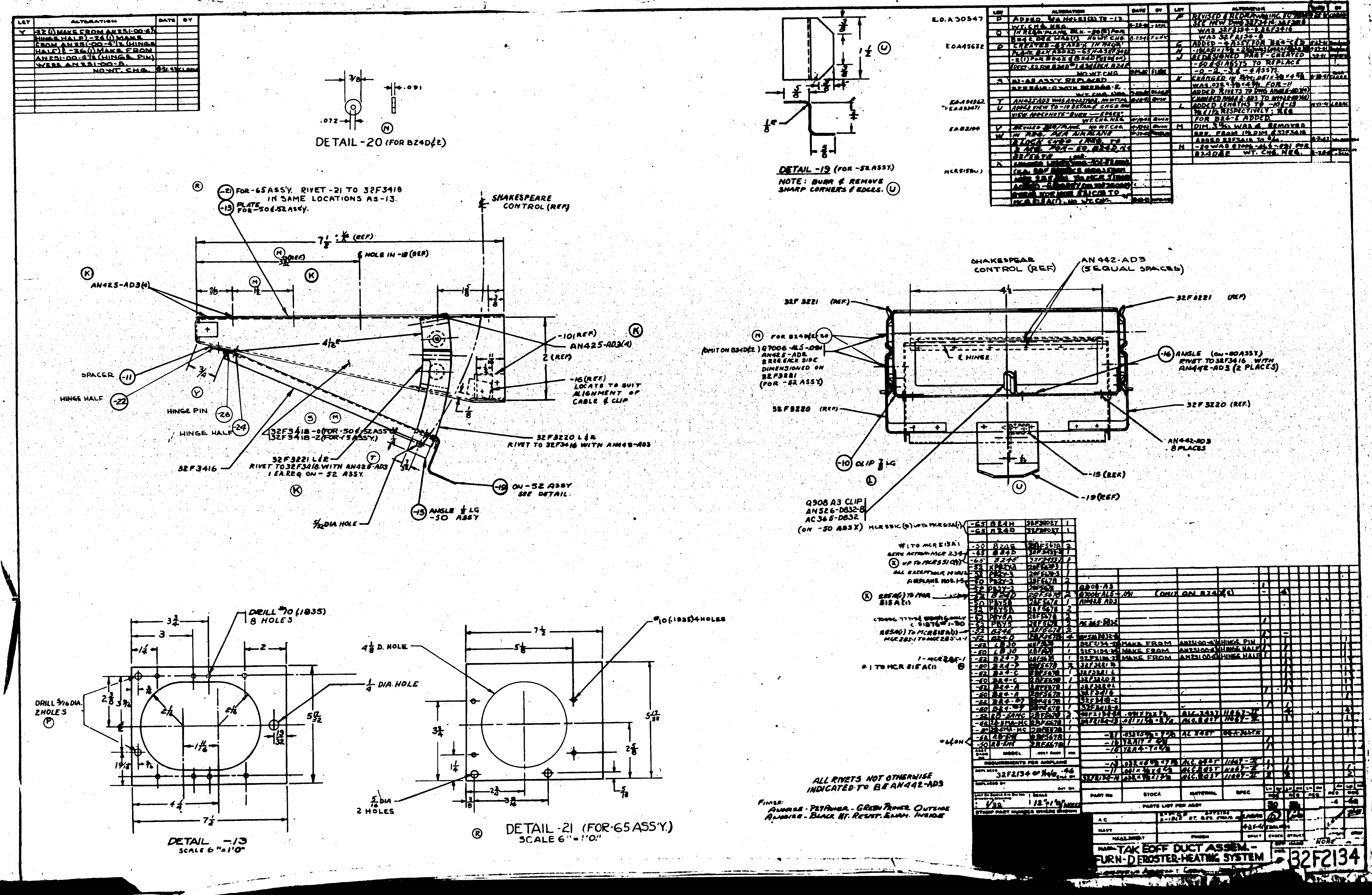
NAME DEFLECTOR - FUENS - HEATING SYSTEM - S.W.

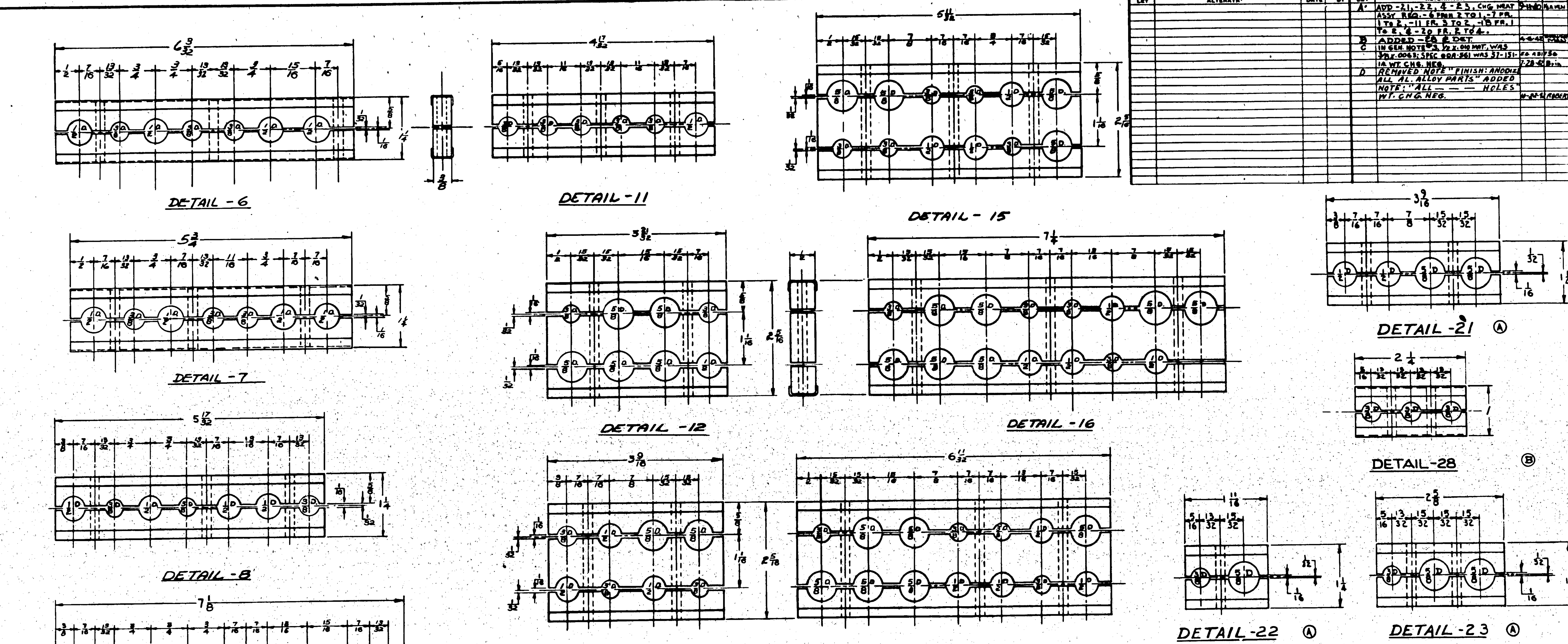
CONSOLIDATED AIRCRAFT CORP., SAN DIEGO, CALIF.

OPP. HAND 32F1723-R (B)

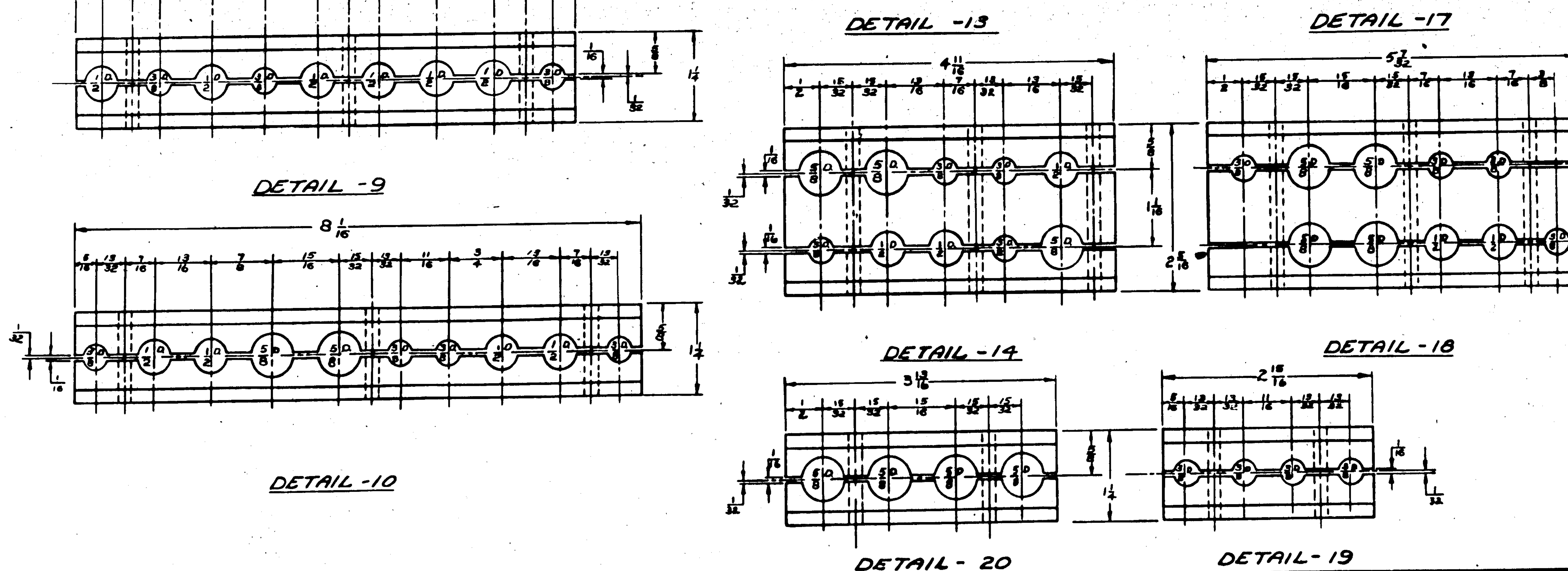
DWG. G 32F1723

R


DETAIL -20 (FOR B24D&E)
DETAIL -19 (FOR -52 ASSY.)
NOTE: BURR & REMOVE SHARP CORNERS & EDGES.
SHAKESPEARE CONTROL (REF)
FOR -65 ASS'Y. RIVET -21 TO 32F3418 IN SAME LOCATIONS AS -13.
PLATE FOR -50 & -52 ASS'Y.
AN425-AD3(4)
SPACER
HINGE HALF
HINGE PIN
32F3416
32F3221 L&R RIVET TO 32F3418 WITH AN425-AD3 1 EA. REQ. ON -52 ASSY.
32F3220 L&R RIVET TO 32F3416 WITH AN442-AD3
ON -52 ASSY SEE DETAIL
ANGLE 1/2 LG -50 ASSY
5/32 DIA HOLE
SHAKESPEAR CONTROL (REF)
AN 442-AD3 (5 EQUAL SPACES)
32F3221 (REF)
32F3220 (REF)
ANGLE (ON -50 ASSY) RIVET TO 32F3416 WITH AN442-AD3 (2 PLACES)
AN442-AD3 8 PLACES
CLIP 7/8 LG
Q908 A3 CLIP
AN526-D832-8
AC365-D832
(ON -50 ASSY)
DRILL #10 (.1935) 8 HOLES
DRILL 5/16 DIA. 2 HOLES
1/4 DIA. HOLE
4 1/8 D. HOLE
#10 (.1935) 4 HOLES
5/16 DIA 2 HOLES
DETAIL -13 SCALE 6"=1'0"
DETAIL -21 (FOR -65 ASS'Y.) SCALE 6"=1'0"
ALL RIVETS NOT OTHERWISE INDICATED TO BE AN442-AD3
FINISH: ANODIZE - PRIMER - GREEN PRIMER OUTSIDE ANODIZE - BLACK HT. RESIST. ENAM. INSIDE
REQUIREMENTS FOR AIRPLANE
PARTS LIST FOR ASSY
TAKEOFF DUCT ASSEM. - FURN-DEFROSTER-HEATING SYSTEM
32F2134



LET	ALTERATION	DATE	BY
A	ADD -21, -22, & -23, CHG NEAT ASSY REQ. -6 FROM 2 TO 1, -7 FR. 1 TO 2, -11 FR. 3 TO 2, -18 FR. 1 TO 2, & -20 FR. 2 TO 4.	9-11-40	KAVEN
B	ADDED -28 & DET.	4-6-42	
C	IN GEN. NOTE #3, ½ x .010 MAT. WAS 3/8 x .0063; SPEC QQA-561 WAS 57-151-1A WT. CHG. NEG.	EO 481756 7-28-42	Brin
D	REMOVED NOTE "FINISH: ANODIZE ALL AL. ALLOY PARTS" ADDED NOTE: "ALL — — — HOLES" WT. CHG. NEG.	10-25-?	ROBERTS



NOTES:

(D) 1. CLIPS MAY BE PURCHASED FROM ADEL PRECISION PRODUCTS CO., BURBANK, CALIF. (SEE SEPARATE BREAKDOWN FOR TYPE)

2. ALL SURFACES TO BE PRIMED EXCEPT WITHIN VICINITY OF 1/8 INCH OF ATTACHING HOLES.

3. ALL BONDING TO BE ½ x .010 ALUM. SHEET SPEC. QQ-A-561

(C) 4. ALL ATTACHMENT HOLES TO BE "DRILL #10 (.193) THRU.

5. SEE RELEASE SHEETS FOR NEXT ASSM'S.

PART No	TYPE	WT.
-28	ADEL-A800-A-5D-12	.025
		.02
-23	ADEL A800-A-5D-12	.04
-22		.02
-21		.08
-20		.08
-19	ADEL A800 A-5D-12	.07
-18	ADEL A800 A-5D-16	.22
-17		.28
-16		.35
-15		.23
-14		.21
-13		.19
-12	ADEL A800-A-5D-16	.19
-11	ADEL A800-A-5D-12	.08
-10		.15
-9		.10
-8		.09
-7		.091
-6	ADEL A800-A-5D-12	.095

LH RH LH RH LH RH LH RH LH RH
REQ REQ REQ REQ H-C

ASSY DASH No | MODEL | NEXT ASSY | REQ

REQUIREMENTS PER AIRPLANE

REPLACES — NOTED CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE FULL

STAMP PART NUMBER WHERE SHOWN

A.C. NONE — NOTED

NAVY

HEAT TREAT — FINISH — DRAFT — CHECK — STRUCT — MAT — — —

OPP HAND

NAME CLIPS-HYDRAULIC SYSTEM

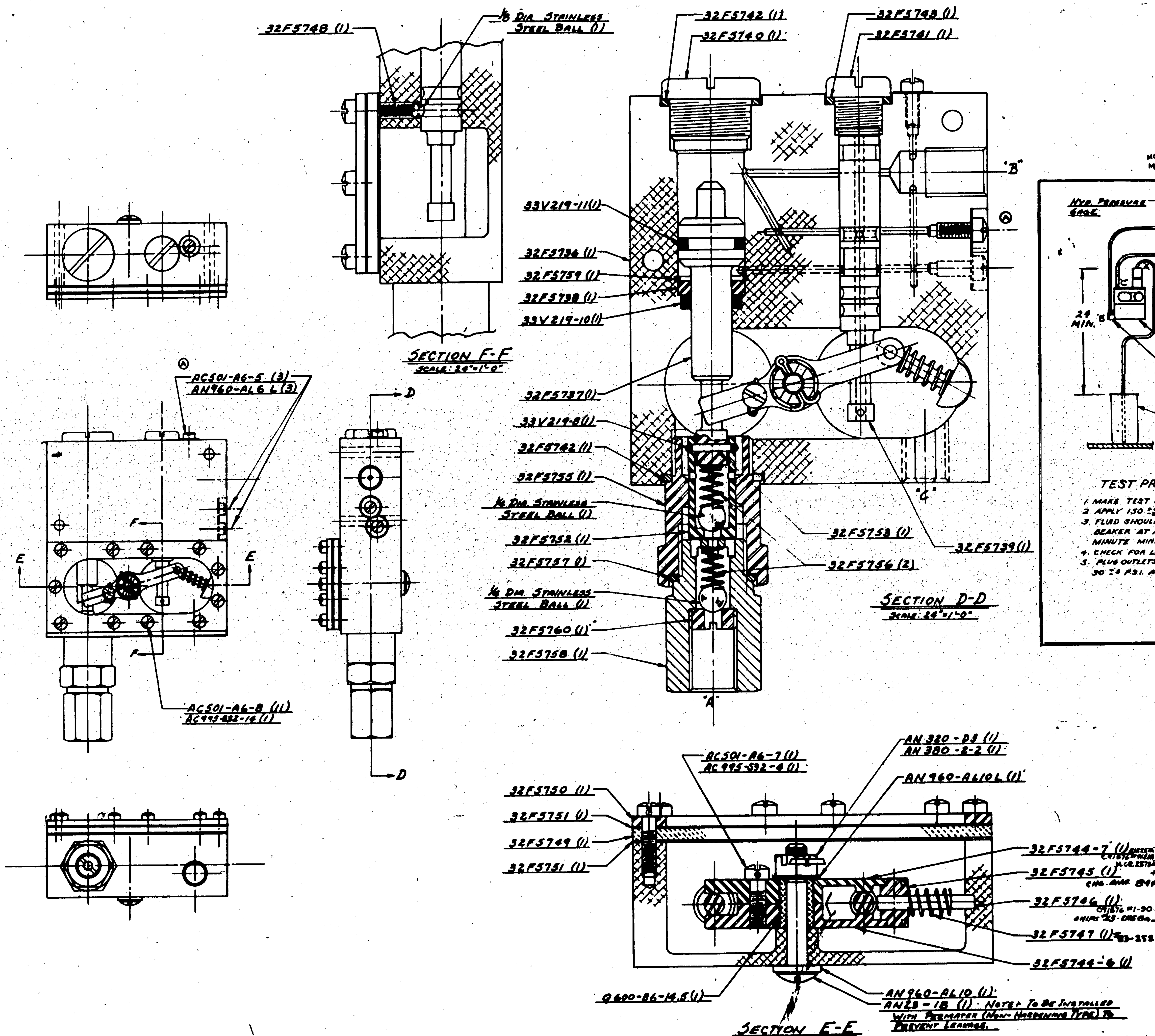
DWG SIZE G 32F658 SHT #1 OF 3

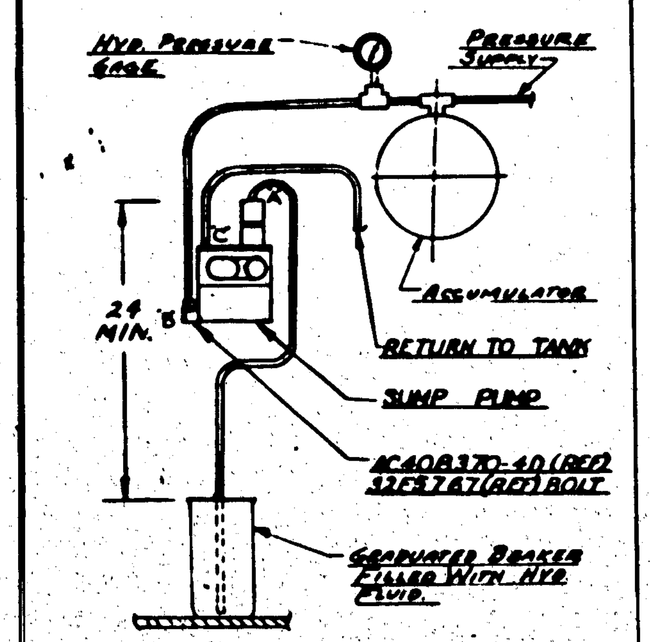
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

32F658 R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	REVISED VIEWS SHOWING INSTALLATION OF AC501-A6-5 SCREWS, RECESSED FOR FITTING CLEARANCE			F	N.A. 28F7825 FOR NO2(S)464 & PBY-5 N.A. 28F7665 C91876 #91 & ON. NO WT. CHG.		
B	ADD NEXT ASSY 31F8411						
C	ADD SHIPS #29 & ON. ... BLOCK - PB2Y-3 - 23F3166 REMOVED - & ADDED 23F6962 - PB2Y-3 ...	11-16-42					
D	IN TEST PROCEDURE BLOCK, NOTE #2 CHG. FROM "APPLY 175 ±25 PSI AT B" TO "APPLY 150 ±0/-25 P.S.I. AT B". NO WT. CHG.	6-2-43					
E	IN REQ/AIRPLANE BLOCK ADDED PBY-5A 28F6718 NEXT ASSY FOR NO2(S)464. BROUGHT DWG. UP TO DATE WITH RELEASES. NO WT. CHG.						
F	LIMITED PBY-5 N.A. 28F3448 TO C-91876 #1-90. REMOVED PBY-5A N.A. 28F6718 FOR NO2(S)464. ADDED PBY-5A						

MCR 257A
MCR 257A





TEST PROCEDURE

1. MAKE TEST SET-UP AS SHOWN.
2. APPLY 150 $^{+0}_{-25}$ P.S.I. AT B.
3. FLUID SHOULD BE PUMPED FROM BEAKER AT APPROX. 100 C.C. PER MINUTE MINIMUM.
4. CHECK FOR LEAKS.
5. PLUG OUTLETS "B" & "C" AND APPLY 30 ±5 P.S.I. AT "A". CHECK FOR LEAKS.

PURCHASE TO DWG.

NOTES:

2. PLUG ALL CONNECTIONS WITH METAL, NEOPRENE OR PLASTIC PLUGS TO KEEP OUT DIRT PRIOR TO INSTALLATION. ADDITIONAL #32F5741 PIECES MAY BE USED.
1. LAP SEATS WITH 1/8 DIA. STEEL BALLS WITH FINE LAPPING COMPOUND. REMOVE LAPPING COMPOUND AND INSTALL NEW BALLS.

+C. 89476 #1070/46
ΔC. NO2(S) 464

MODEL	NEXT ASSY
PBY-5	28F7665
PBY-5A	28F7825
PBY-5A	28F6613
PB2Y-3	29F6962
XP4Y-1	31F8411
PB2Y-3	28F5603
PBY-5	28F5401
PB2Y-3	23F3166
XPB2Y-4	23F3166
B24D	32F5734

REQUIREMENTS PER AIRPLANE

REPLACES — 1.85 CALC WT

REPLACED BY — ACT WT

SCALE NOTED & 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PARTS LIST PER ASSY: PART No | STOCK | MATERIAL | SPEC | -0 | -2 | -3 | -4 | -5

AC None	None	Rogers	Saunas	Kirk	JFR	Klein	Lindens
NAVY		10-29-41	11-3-41			11-17-41	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT		ENG

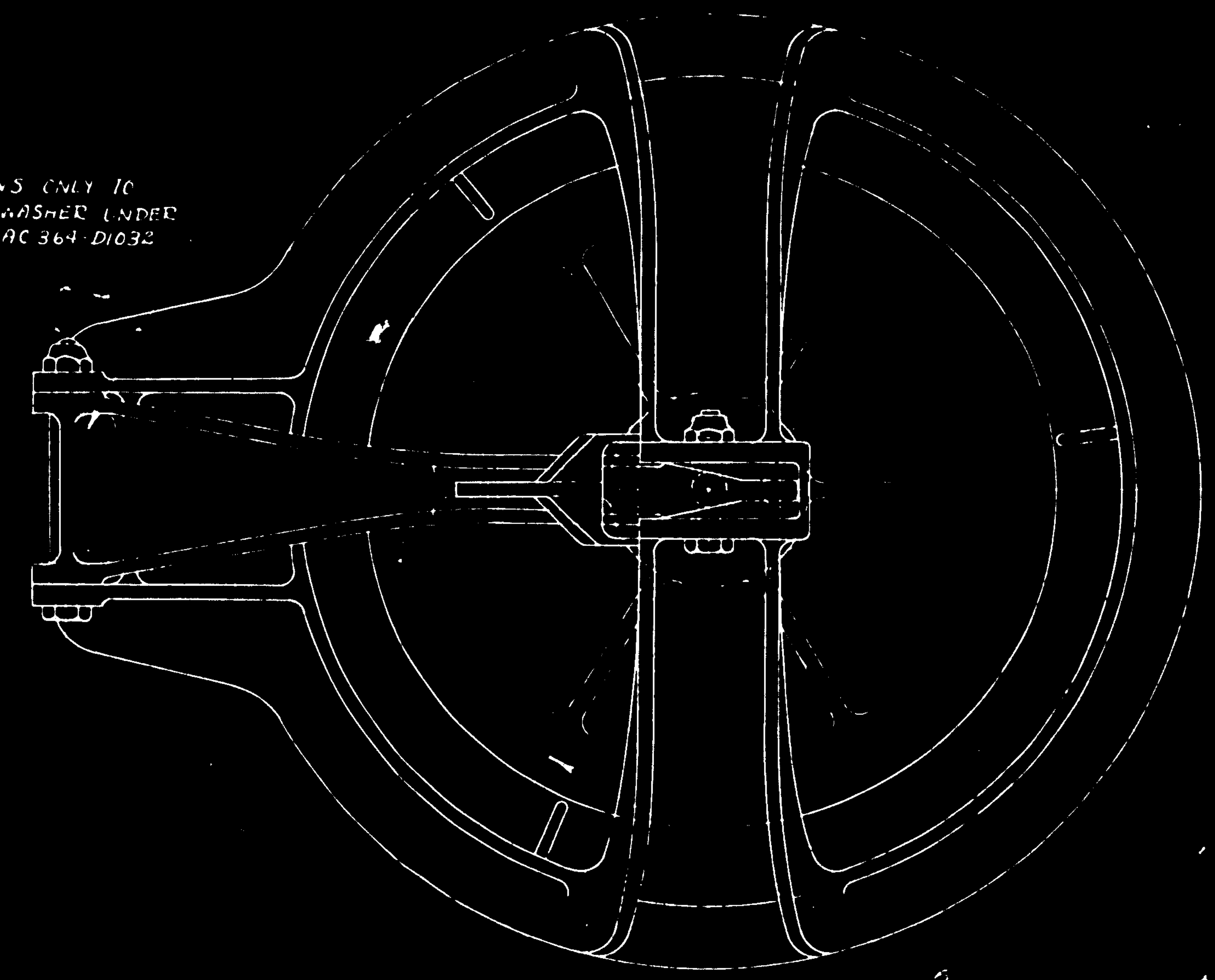
NAME: ASSEMBLY - SUMP PUMP - HYDRAULIC SYSTEM

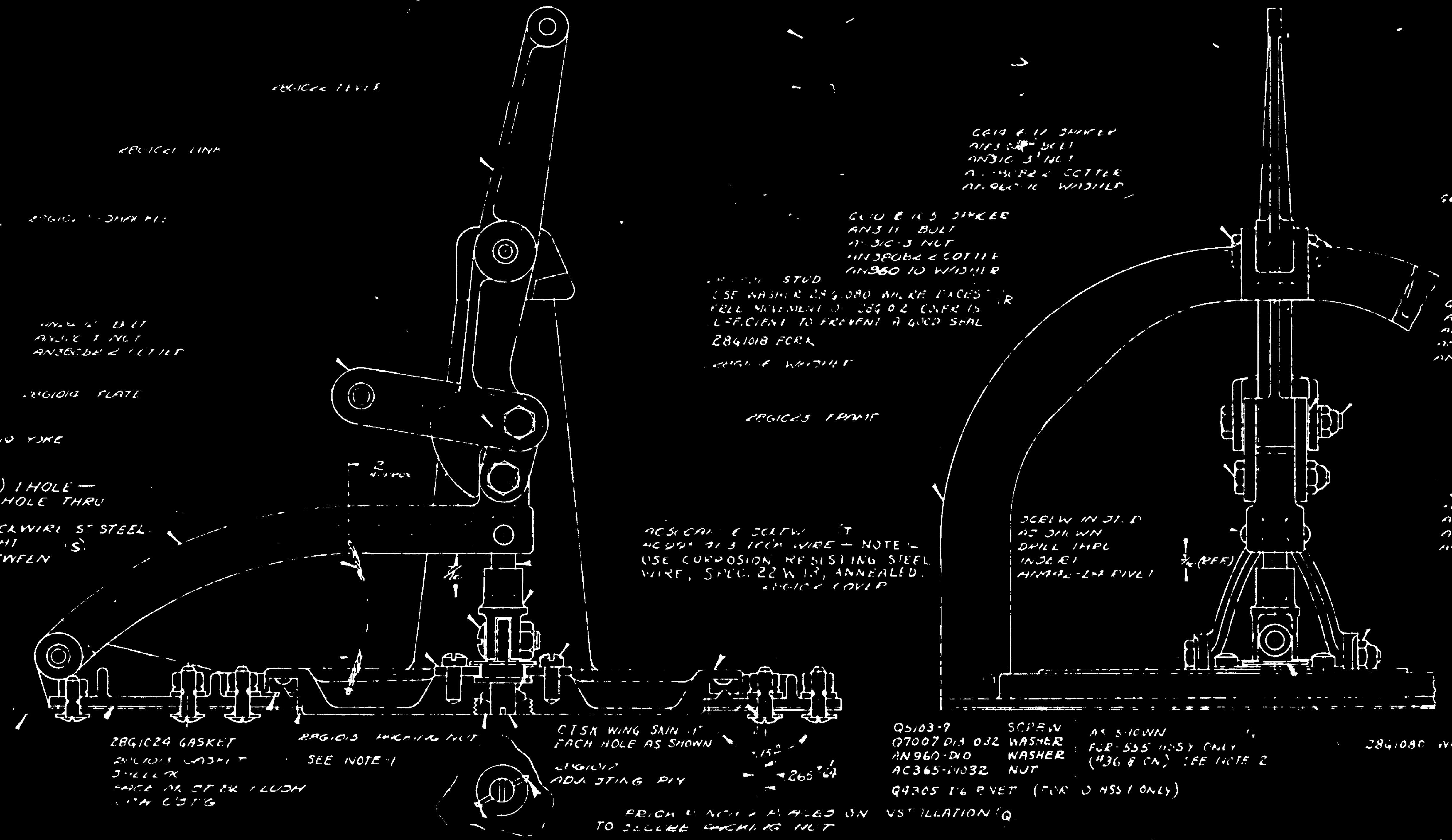
DWG SIZE G — 32F5735

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

R 32F5735

			DATE	BY
	A	TRACED UP TO DATE	5-17-37	RMC
C.O. 5743	L	NEXT ASSY NOS WERE 28G1010	8-5-37	[illegible]
	M	[illegible] LOCKWIRE [illegible]	9-20-37	[illegible]
C.O. 8015	N	ADDED NOTE	4-18-39	[illegible]
	O	PBY-2 [illegible]	[illegible]	[illegible]
E.O. 20942	P	SEALING NOTE REVISED	11-5-40	ELVEN
E.O. 25599A	Q	NOTES ADDED, 555 ASSY ADDED ON INSTALLATION ADDED TO NOTE	11-5-40	ELVEN
E.O. 27761	R	NOTE ADDED	11-5-40	ELVEN
E.O. 28534	S	AC995-32 LOCK WIRE WAS AC995-41	11-28-40	[illegible]
E.O. 10241	T	ADDED NOTE AC995-41-3 WAS CAD PLATED BRASS	12-27-40	[illegible]
	U	ADDED -4 ASS'Y.	7-1-42	[illegible]
EDC 40568	V	AN960-10 WASHER WAS AN360-10 WASHER	7-8-42	[illegible]





N NOTES

1 - SEAL GAP BETWEEN FLANGE OF DUMP VALVE FRAME 28G1023 AND WING SKIN AT DUMP VALVE OPENING AS FOLLOWS:
REMOVE ALL MOISTURE FROM GAP AT OPENING BETWEEN FRAME AND WING SKIN. APPLY ZINC CHROMATE PASTE - TO BE WELL PACKED INTO GAP. AFTER DUMP VALVE COVER IS IN PLACE. APPLY PARALKETONE IN GAP BETWEEN EDGE OF OPENING AND EDGE OF COVER. (P)

2 - FILL COUNTERSUNK AREA WITH EXCESS OF ZINC CHROMATE PASTE (GRADE #1) SO THAT PASTE SQUEEZES OUT AROUND WASHER & SCREW HEAD WHEN SCREW IS TIGHTENED. (Q)

SPOTFACE CASTING 7/16 D. (MIN DEPTH TO CLEAN) WHERE NECESSARY

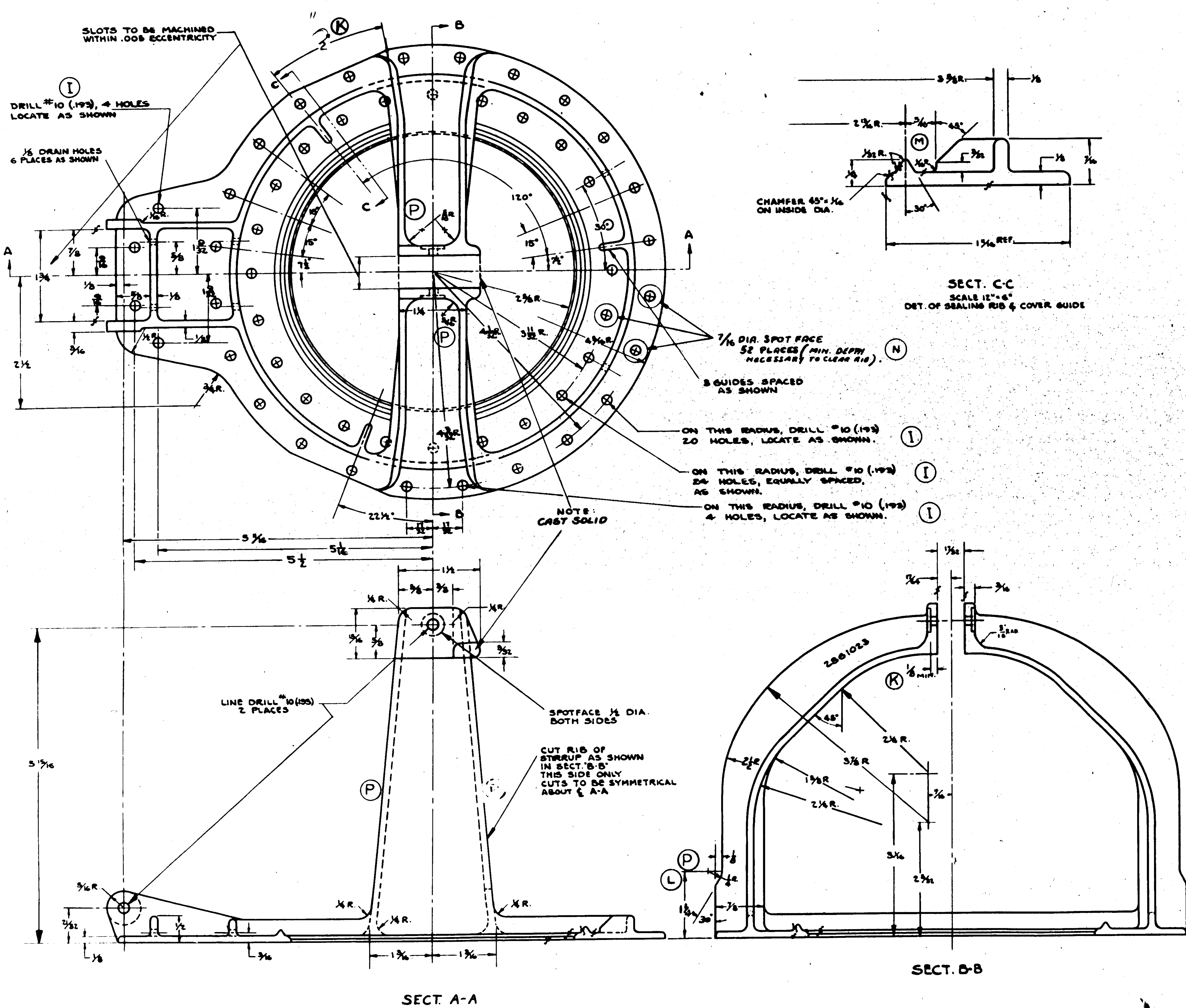
CARE SHOULD BE TAKEN TO TIGHTEN ALL SCREWS SUFFICIENTLY TO PREVENT LEAKS.

(Q) EFFECTIVE #36 & ON

-555	PBY-5A	28W5005	2
	PBLY-3	29G3096-3A	2
-4	XP4Y-1	31G045	1
-555	PBY-5	28W5005	
-0	PBY-3	[illegible]	
-0	XPBY-1	29G029	
-0	PBY-4	28W4005	
-0	PBY-3	28W3005	
-0	PBY-2	28W2005	
-0	PBY-1	28W1005	

VALVE ASSEMBLY FUEL SYSTEM - DUMP

28G1011



ALL RADII TO BE 1/8 UNLESS OTHERWISE DIMENSIONED

THICKNESS OF CASTING TO BE 1/8 EXCEPT AS SHOWN

CASTINGS SHOULD BE SMOOTH & FREE FROM FINS & SPRUES

ƒ = MACHINE FINISH

C'TS'G LIMITS ±1/32
LIMITS TO FINISHED SURFACES ±.010

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
C.O. 7087	H	TRACED	5-15-37	JAS
	I	ADDED #10 HOLES & LOCATIONS	4-15-38	[illegible]
E.O. 21097	J	PB2Y-2 REQS. ADDED	10-5-9	[illegible]
E.O. 27002	K	ADDED 1/8 MIN. UNDER - 1/2 SPOTFACE	11-18-40	[illegible]
E.O. 24069	L	FLATTEN SIDES 2" - DEEPEN NOTCH	11-18-40	[illegible]
E.O. 27774	M	DIM. WAS 3/32	11-18-40	[illegible]
	N	ADDED 7/16 DIA. SPOTFACE - 52 PLACES	11-18-40	[illegible]
ABKS	P	CH'GD. DESIGN OF CASTING TO SIMPLIFY MOULDING & CH'GD SPEC. TO 46A1 CL3 WAS 46A1 CL4. REMOVED NOTE, CONNECTING RIB FOR ETC., & ADDED NOTE. CAST SOLID	7-6-54	[illegible]

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY.	REQ.
PBY-5A	28G1011	2
28-5MC	28G1011	2
28-5AMC	28G1011	2
PB2Y-2	28G1011	2
PB2Y-3	28G1011	2
XPB2Y-3	28G1011	2
PBY-5	28G1011	2
XPB2Y-1	28G1011	
PBY-4	28G1011	
PBY-3	28G1011	
PBY-2	28G1011	
XP3Y-1	28G1011	
PBY-1	28G1011	

REPLACES	APPROVED [illegible] 5-15-37 DATE
REPLACED BY	CALC WT. 1.3 / ACT WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED	SCALE 12"=1'-0"
	AC
	NAVY AL. ALLOY CAST. / MATERIAL

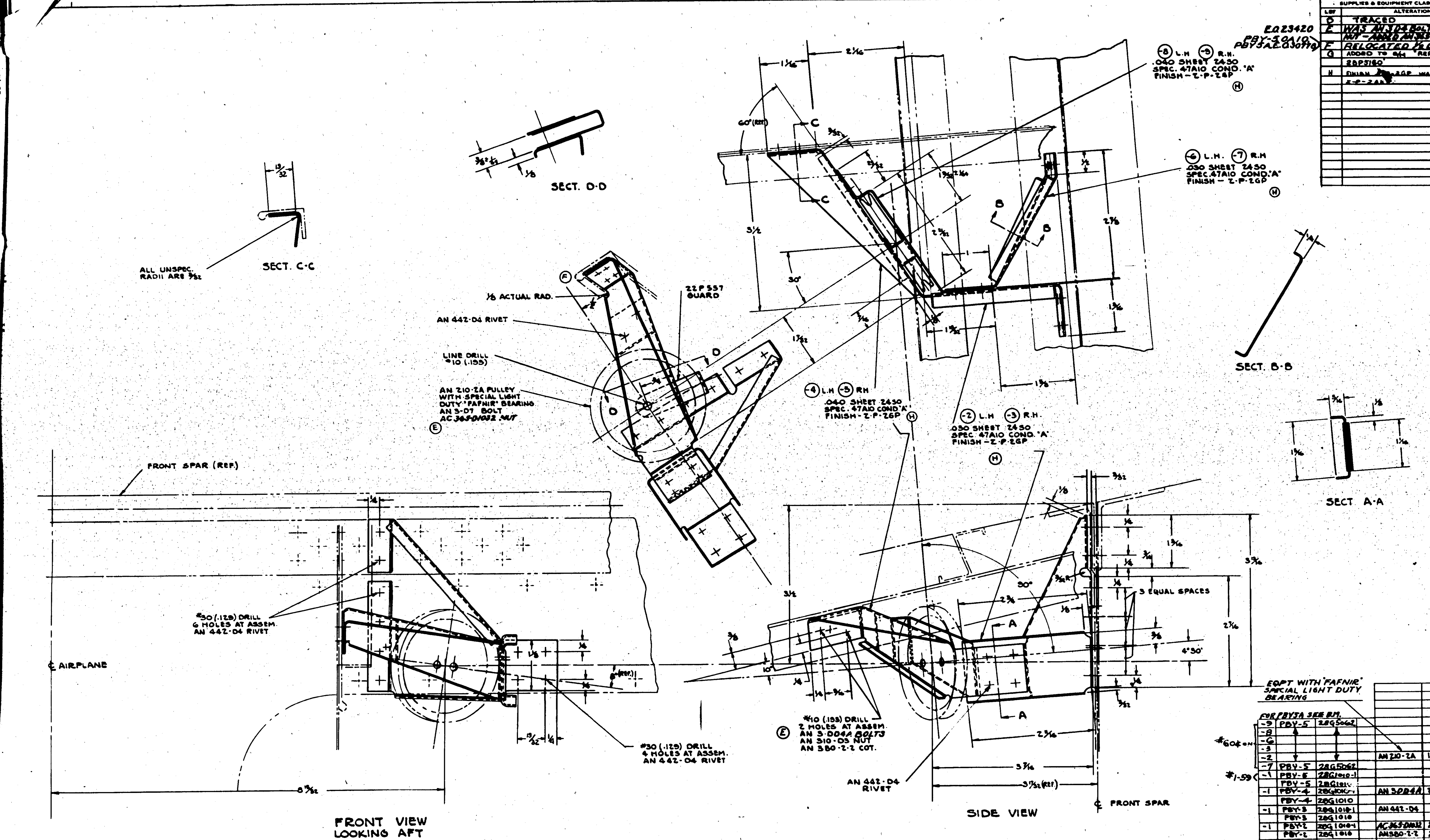
46A1 CL.3 (SPEC.) — NAF 5ABA — ZP — DOLAN 5-11-37

CONSOLIDATED AIRCRAFT CORP.
BUFFALO N.Y.

FRAME P.P. - FUEL SYSTEM DUMP VALVE

G 28G1023

R 28G1023



NOTE: HEAT TREAT (-2) (-3) (-4) (-5) (-6) (-7) (-8) (-9) IN ACCORDANCE WITH SPEC. SR 53

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
D	TRACED	5-14-37	JAS
E	WAS AN 3D4 BOLT & AN 310-D3 NUT - ADDED AN 365 D1032 NUT	1-13-41	[illegible]
F	RELOCATED 1/2 DIM.	12-31-41	R.W.A.
G	ADDED TO G/M REPLACED BY 28P5160	5-15-43	[illegible]
H	FINISH Z-P-2GP WAS FINISH Z-P-2AN	5-1-43	[illegible]

EQ 23420 PBY-5 Q A10 PBY5A E.O. 30770

6P GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

EQPT WITH "FAFNIR" SPECIAL LIGHT DUTY BEARING

FOR PBY5A SEE BM.

#60 & ON (-9, -8, -6, -3, -2); #1-59 (-7, -1)

O.H.	MODEL	NEXT ASSY	REQ	STD PARTS	REQ LH	REQ RH	PART NO.	REQ LH	REQ RH
							22P557	1	1
-9	PBY-5	28G5062							
-8									
-6									
-3									
-2				AN 210-2A	1	1			
-7	PBY-5	28G5062							
-1	PBY-5	28G1010-1							
	PBY-5	28G1010							
-1	PBY-4	28G1010-1		AN 3DD4A	2	2	28G1033-9		1
	PBY-4	28G1010					-8	1	
-1	PBY-3	28G1010-1		AN 442-04			-7		1
	PBY-3	28G1010					-6	1	
-1	PBY-2	28G1010-1		AC365-D1032	2	2	-5		1
	PBY-2	28G1010		AN380-2-2	2	2	-4	1	
-1	PBY-1	28G1010-1		AN310-D3	2	2	-3		1
	PBY-1	28G1010		AN 3-D7	1	1	28G1033-2	1	

REQUIREMENTS PER AIRPLANE — MAT — PARTS LIST PER ASSY

REPLACES 28G1033 12-24-36
REPLACED BY 28P5160
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32" & 1/2°

APPROVED XPW DATE 5-14-37
.22 CALC WT — ACT WT
SCALE 1/2" = 1'-0"
AC
NAVY NOTED — MATERIAL
NOTED — SPEC.
NOTED — HEAT TREAT
NOTED — FINISH
DRAFT 3-18-36 — CHECK 6-11-37 3-24-36 — TEAM — ENG.

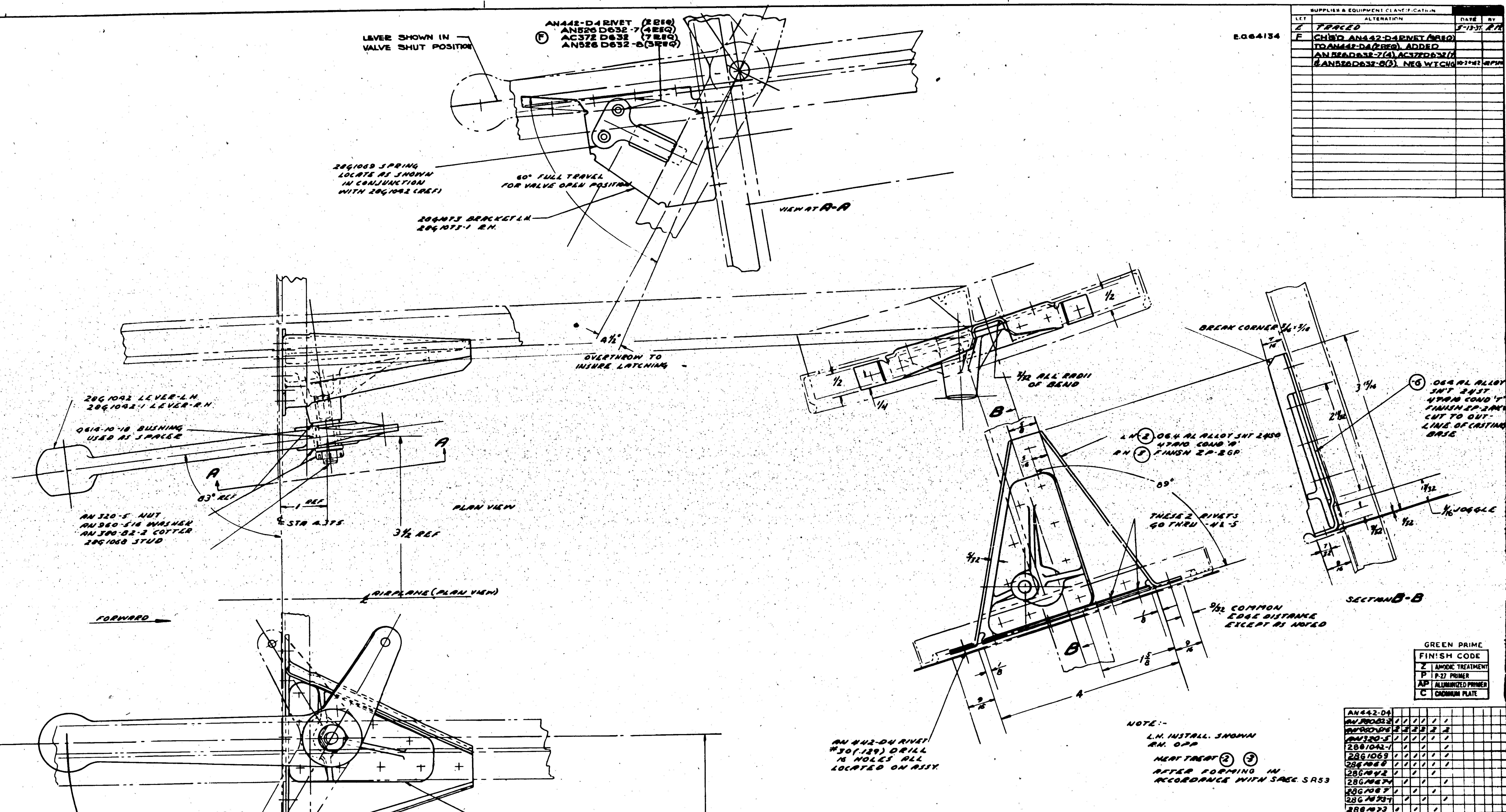
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
STAMP PT. NO. WHERE SHOWN

NAME: BRACKET ASSEM. FUEL SYSTEM DUMP VALVE UPPER FRONT PULLEY

OPP HAND 28G1033-1

G 28G1033

R 28G1033



NOTE:-
L.H. INSTALL. SHOWN
R.H. OPP
HEAT TREAT (2) (3)
AFTER FORMING IN ACCORDANCE WITH SPEC. SR53

E.O.64134

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
E	TRACED	5-13-37	R.H.
F	CHG'D AN442-D4 RIVET (3 REQ) TO AN442-D4 (2 REQ). ADDED AN526D632-7(4), AC372D632(7) & AN526D632-8(3). NEG WT CHG	10-29-42	[illegible]

GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

STD PART						
AN442-D4						
AN380-2-2	1	1	1	1	1	1
AN960-516	2	2	2	2	2	2
AN320-5	1	1	1	1	1	1
28G1042-1		1		1		1
28G1069	1	1	1	1	1	1
28G1068	1	1	1	1	1	1
28G1042	1		1		1	
28G1067-1		1		1		1
28G1067	1		1		1	
28G1073-1		1		1		1
28G1073	1		1		1	
28G1034-6	1	1	1	1	1	1
-3		1		1		1
-2	1		1		1	
Q614-10-18	1	1	1	1	1	1
AC372D632	7	7	7	7	7	7
AN526D632-8	3	3	3	3	3	3
AN526D632-7	4	4	4	4	4	4
	PBY-1	PBY-2	PBY-3	PBY-4	PBY-5	

O.H.	MODEL	NEXT ASSY	REQ	O.H.	MODEL	NEXT ASSY	REQ	O.H.	MODEL	NEXT ASSY	REQ
-1	28-5AMC	28G1010	1		28-5MA	28G1010	1	-1	PBY-4	28G1010-1	
	28-5AMC	28G1010	1	-1	PBY-5A	28G1010	1		PBY-4	28G1010	
-1	28-5MC	28G1010	1		PBY-5A	28G1010	1	-1	PBY-3	28G1010-1	
	28-5MC	28G1010	1	-1	PBY-5	28G1010	1		PBY-3	28G1010	
-1	28-5MA	28G1010	1		PBY-5	28G1010	1	-1	PBY-2	28G1010-1	
									PBY-2	28G1010	
								-1	PBY-1	28G1010	
									PBY-1	28G1010	

REQUIREMENTS PER AIRPLANE

REPLACES		APPROVED 5-13-37	DATE	
REPLACED		CALC WT .57	ACT WT	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/32	SCALE 12" = 1'0"		MAT
		AC		
		NAVY NOTED	NOTED	NOTED
		MATERIAL	SPEC.	HEAT TREAT

FINISH: NOTED

DRAFT 5-20-37 6-12-37

CONSOLIDATED AIRCRAFT CORP.
BUFFALO N.Y.

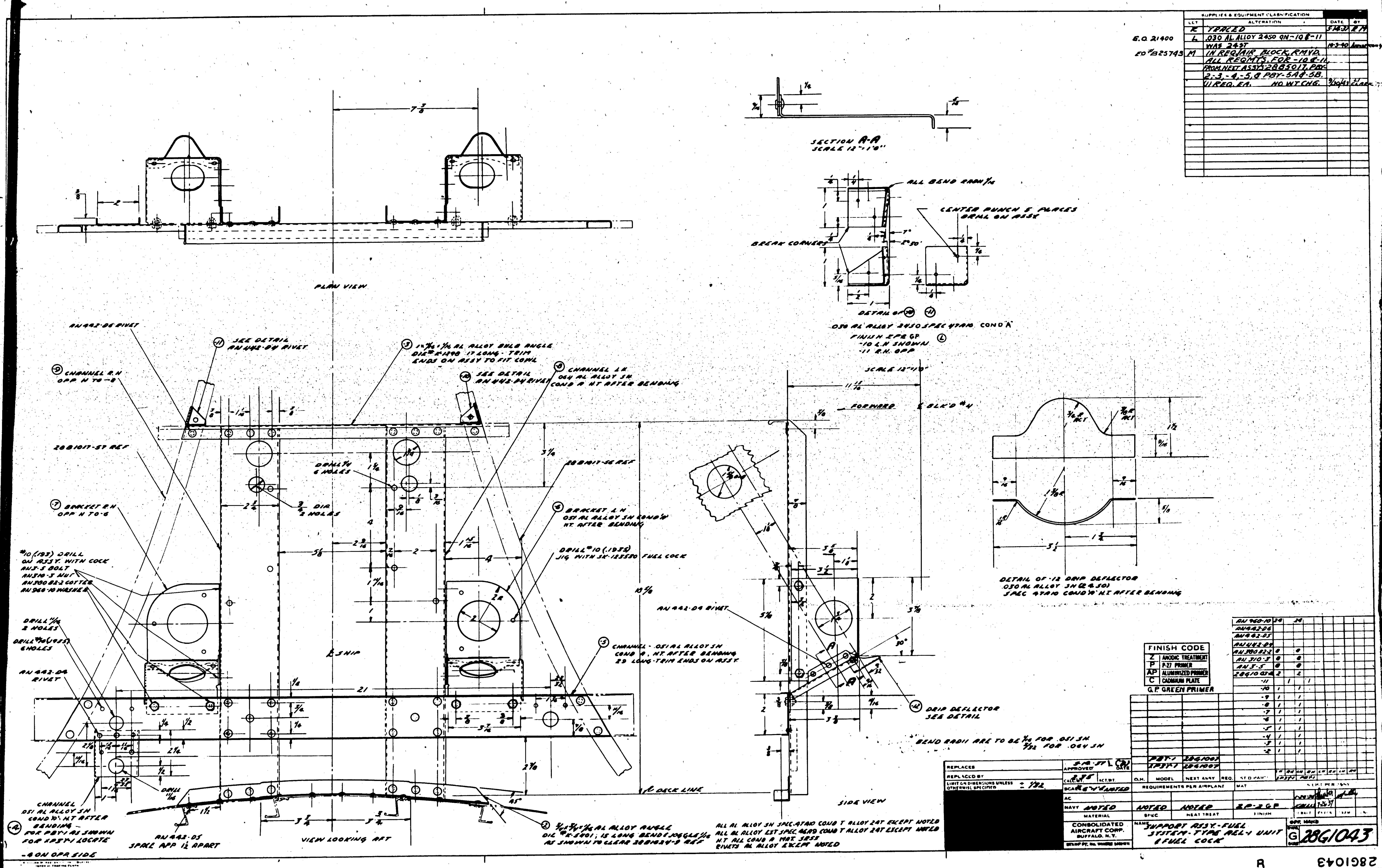
STAMP PT. No WHERE SHOWN

NAME: INSTALL FUEL SYSTEM DUMP VALVE CONTROL LEVER BRKT.

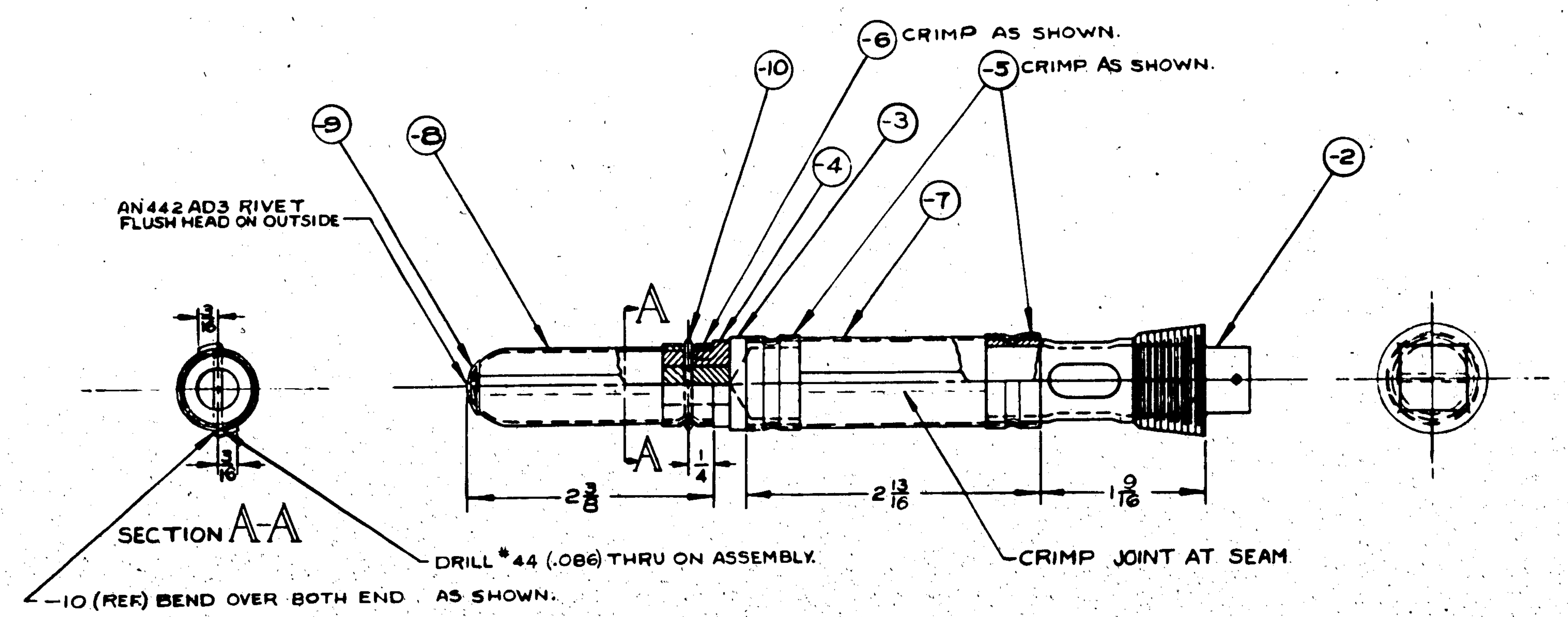
OPP HAND 28G1034-1

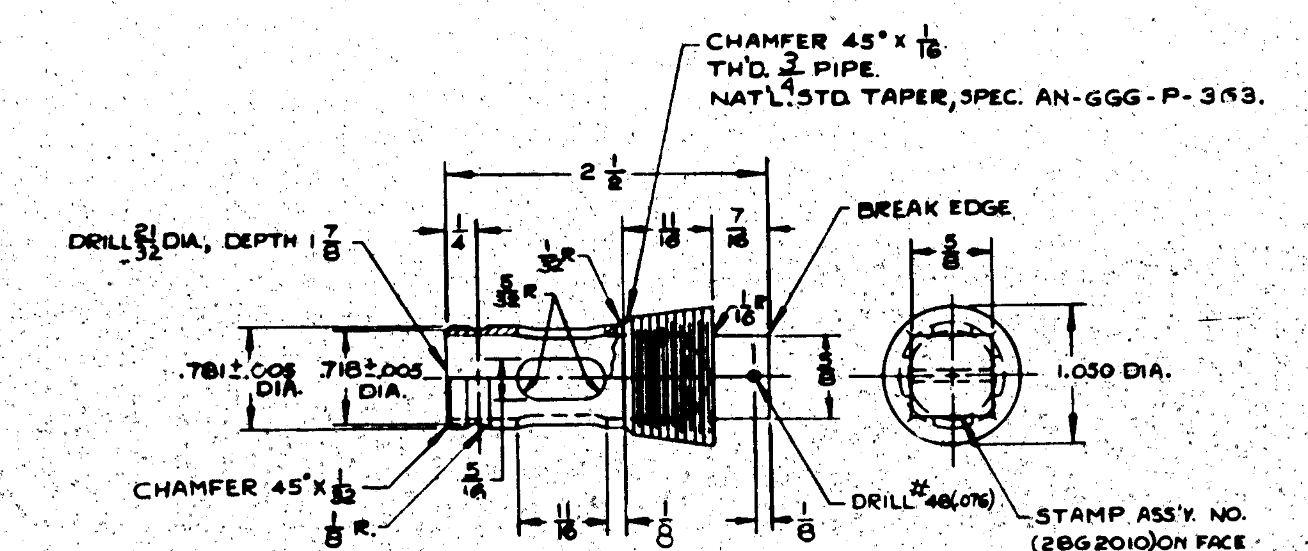
DWG SIZE G 28G1034

R 28G1034

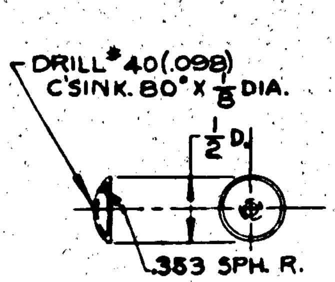

SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
K TRACED 3-14-37 R.M.
E.O. 21400 L .030 AL ALLOY 24SO QN-10 & -11 WAS 24ST 10-3-40
E.O. #B25743 M IN REQ AIR BLOCK, RMVD. ALL REQMTS. FOR -10 & -11, FROM NEXT ASSYS: 28B5017, PBY-2, -3, -4, -5, & PBY-5A & -5B. (1) REQ. EA. NO WT CHG. 9/30/43 CLARK
SECTION A-A
SCALE 12"=1'0"
ALL BEND RADII 1/16
CENTER PUNCH 5 PLACES DRILL ON ASSY
BREAK CORNERS
DETAIL OF -10 -11
.030 AL ALLOY 24SO SPEC 47A10 COND A
FINISH ZP & GP
-10 L.H SHOWN
-11 R.H. OPP
SCALE 12"=1'0"
PLAN VIEW
AN442-D6 RIVET
SEE DETAIL AN442-D4 RIVET
CHANNEL R.H OPP H TO -8
CHANNEL L.H .064 AL ALLOY SH COND A HT AFTER BENDING
28B1017-57 REF
28B1017-56 REF
DRILL 1/4 6 HOLES
3/8 DIA 2 HOLES
BRACKET R.H OPP H TO -6
BRACKET L.H .051 AL ALLOY SH COND A HT AFTER BENDING
DRILL #10 (.193) JIG WITH SK-13550 FUEL COCK
#10 (.193) DRILL ON ASSY. WITH COCK
AN3-5 BOLT
AN310-3 NUT
AN380-2-2 COTTER
AN960-10 WASHER
DRILL 1/16 2 HOLES
DRILL #30 (.1285) 6 HOLES
AN442-D4 RIVET
℄ SHIP
CHANNEL - .051 AL ALLOY SH COND A . H.T. AFTER BENDING 23 LONG - TRIM ENDS ON ASSY.
CHANNEL .051 AL ALLOY SH COND A. H.T. AFTER BENDING - FOR PBY-1 AS SHOWN FOR XPBY-1 LOCATE
-4 ON OPP SIDE
AN442-D5 SPACE APP 1 1/2 APART
VIEW LOOKING AFT
℄ DECK LINE
FORWARD
℄ BLK'D #4
AN442-D4 RIVET
DRIP DEFLECTOR SEE DETAIL
SIDE VIEW
DETAIL OF -12 DRIP DEFLECTOR .030 AL ALLOY SH (24SO) SPEC 47A10 COND A H.T. AFTER BENDING
BEND RADII ARE TO BE 1/16 FOR .051 SH 3/32 FOR .064 SH
ALL AL ALLOY SH SPEC 47A10 COND T ALLOY 24T EXCEPT NOTED
ALL AL ALLOY EXT SPEC 46A9 COND T ALLOY 24T EXCEPT NOTED
H.T. ALL COND A MAT. SPEC
RIVETS AL ALLOY EXCEPT NOTED
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
G.P. GREEN PRIMER
AN960-10 24 24
AN442-D6
AN442-D5
AN442-D4
AN380-2-2 8 8
AN310-3 8 8
AN3-5 8 8
28G1043-12 2 2
PBY-1 28G1007
XPBY-1 28G1007
O.H. MODEL NEXT ASSY REQ. STD PARTS
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED DATE
CALC WT. 2.75 ACT. WT.
SCALE 6" = 1' NOTED
NAVY NOTED NOTED NOTED ZP-2GP
MATERIAL SPEC HEAT TREAT FINISH
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME SUPPORT ASSY.-FUEL SYSTEM-TYPE AEL-1 UNIT & FUEL COCK
G 28G1043
R 28G1043

LET	ALTERATION	DATE	BY
G	TRACED, WAS B SIZE. NO WT CHG	7-13-4[illegible]	[illegible]
H	ADDED DETAILS FOR -5 & -6. MAT'L FOR -5 WAS "7/8 OD X .840 I.D. AL. ALLOY TUBE (4S 1/2 H) SPEC. 44T24H.H."; FOR -6, WAS "3/4 O.D. X .715 I.D. AL. ALLOY TUBE (4S 1/2 H) SPEC 44T24H.H."; FOR -7, WAS "10 MESH .025 AL. ALLOY WIRE SCREEN (56S)"; FOR -8, WAS "30 MESH .0126 ALUM. SCREEN"; FOR -9, WAS ".020 AL. ALLOY SHEET 2S 1/2 H. SPEC. 47A4 H.H."; FOR -10, WAS ".080 ALUM. WIRE, SPEC. 46A3 H.H."; MAT'L FOR -2, -3, -4 WAS "AL. ALLOY ROD (17ST) SPEC. 46A4 COND. T." ADDED MAT'L NOTES #1, #2, #3 & #4. NO WT. CHG	7-13-41	[illegible]

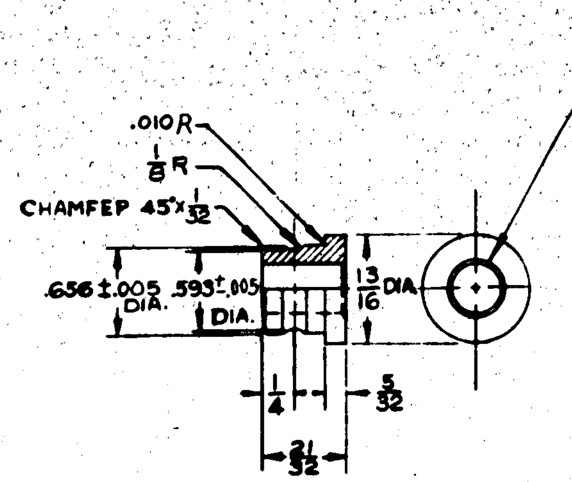




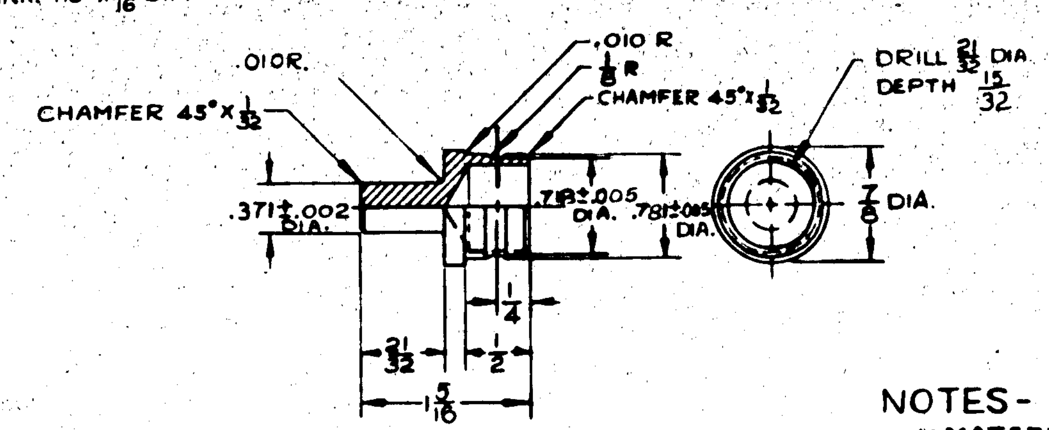
DETAIL OF -2



DETAIL OF -9



DETAIL OF -4



DETAIL OF -3

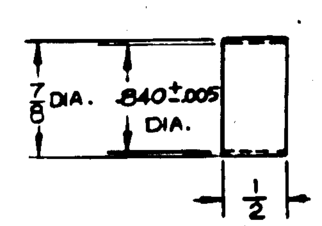
NOTES-

1.-MATERIAL FOR -2 MAY BE-
(A) 1 1/16 DIA. X 2 5/8, 24ST AL. AL. ROD, QQ-A-354 COND. T, OR
(B) 1 1/16 DIA. X 2 5/8, 17ST AL. AL. ROD, 46A4 COND. T.

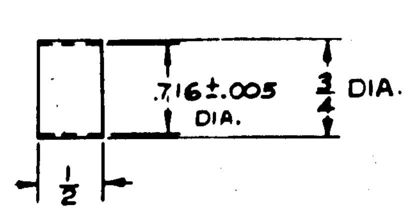
2.-MATERIAL FOR -3 MAY BE-
(A) 7/8 DIA. X 1 1/2, 24ST AL. AL. ROD, QQ-A-354 CONT. T, OR
(B) 7/8 DIA. X 1 1/2, 17ST AL. AL. ROD, 46A4 COND. T.

3.-MATERIAL FOR -4 MAY BE-
(A) 13/16 DIA. X 1 1/16, 24ST AL. AL. ROD, QQ-A-354 CONT. T, OR
(B) 13/16 DIA. X 1 1/16, 17ST AL. AL. ROD, 46A4 COND. T.

4.-MATERIAL FOR -9 MAY BE-
(A) .020 X 3/4 X 3/4, 2S 1/2 H AL. AL. SH'T., SPEC. 47A2 TEMP. 1/2 H, OR
(B) .020 X 3/4 X 3/4, 3S 1/2 H AL. AL. SH'T., SPEC. QQ-A-359 CL. 1/2 H.



DETAIL OF -5



DETAIL OF -6

MODEL	NEXT ASSY	REQ.
PBY-5B	28G2005	2
PBY-5A	28G2005	2
PBY-5	28G2005	2
28-5AMN	28G2005	2
28-5AMC	28G2005	2
28-5MN	28G2005	2
28-5ME	28G2005	2
28-5MC	28G2005	2
28-5MA	28G2005	2

REQUIREMENTS PER AIRPLANE

REPLACES 28G2010 OF 1-27-38. CALC WT / ACT WT .14#

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 & ±.010 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0
AN442AD3				
-10	.080 X 1 1/4	2S 1/2 H AL. AL. WIRE	QQ-A-411 TEMP 1/2 H	1
-9	NOTED	NOTED	NOTED	1
-8	30 MESH .0126 X 2 3/4 X 3 3/4	56S AL. AL. SCREEN	RR-C-451 TYPE G	1
-7	10 MESH .025 X 3 X 3 3/4	56S AL. AL. SCREEN	RR-C-451 TYPE G	1
-6	3/4 O.D. X .035 WALL X 5/8	2S 1/2 H AL. AL. TUBE	WW-T-783 TEMP 1/2	1
-5	1.00 X .035 WALL X 5/8	2S 1/2 H AL. AL. TUBE	WW-T-783 TEMP 1/2	2
-4	NOTED	NOTED	NOTED	1
-3	NOTED	NOTED	NOTED	1
28G2010-2	NOTED	NOTED	NOTED	1

PARTS LIST PER ASSY. (REQ columns: -0, -2, -3, -4, -5)

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	Z & NOTED	G A HENRY 9-22-36	O.W.M. 9-22-36	MILLER		L.C.W. 9-26-36	R
HEAT TREAT	FINISH						

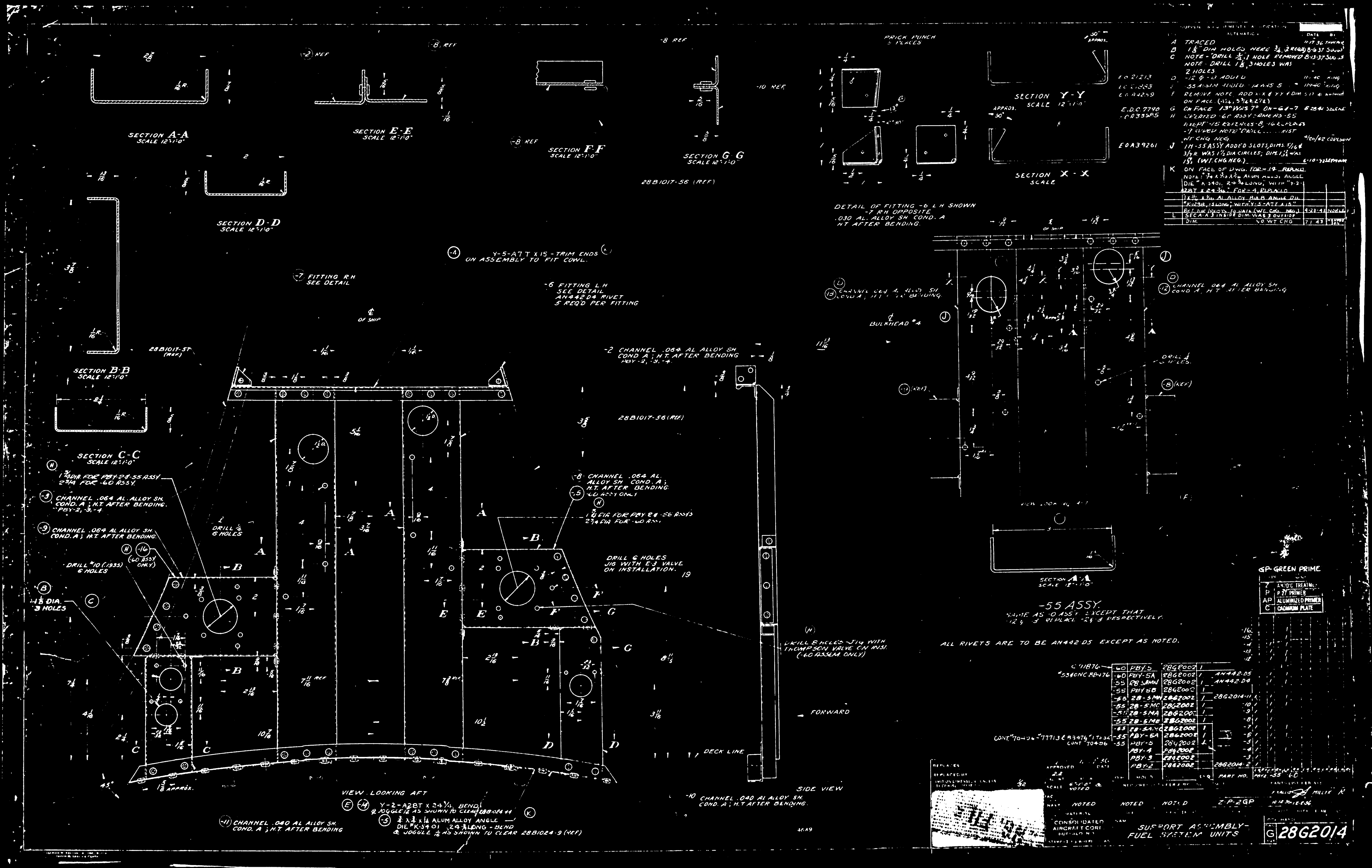
NAME STRAINER ASSEM.-FUEL SYSTEM-FUEL TANK SUMP

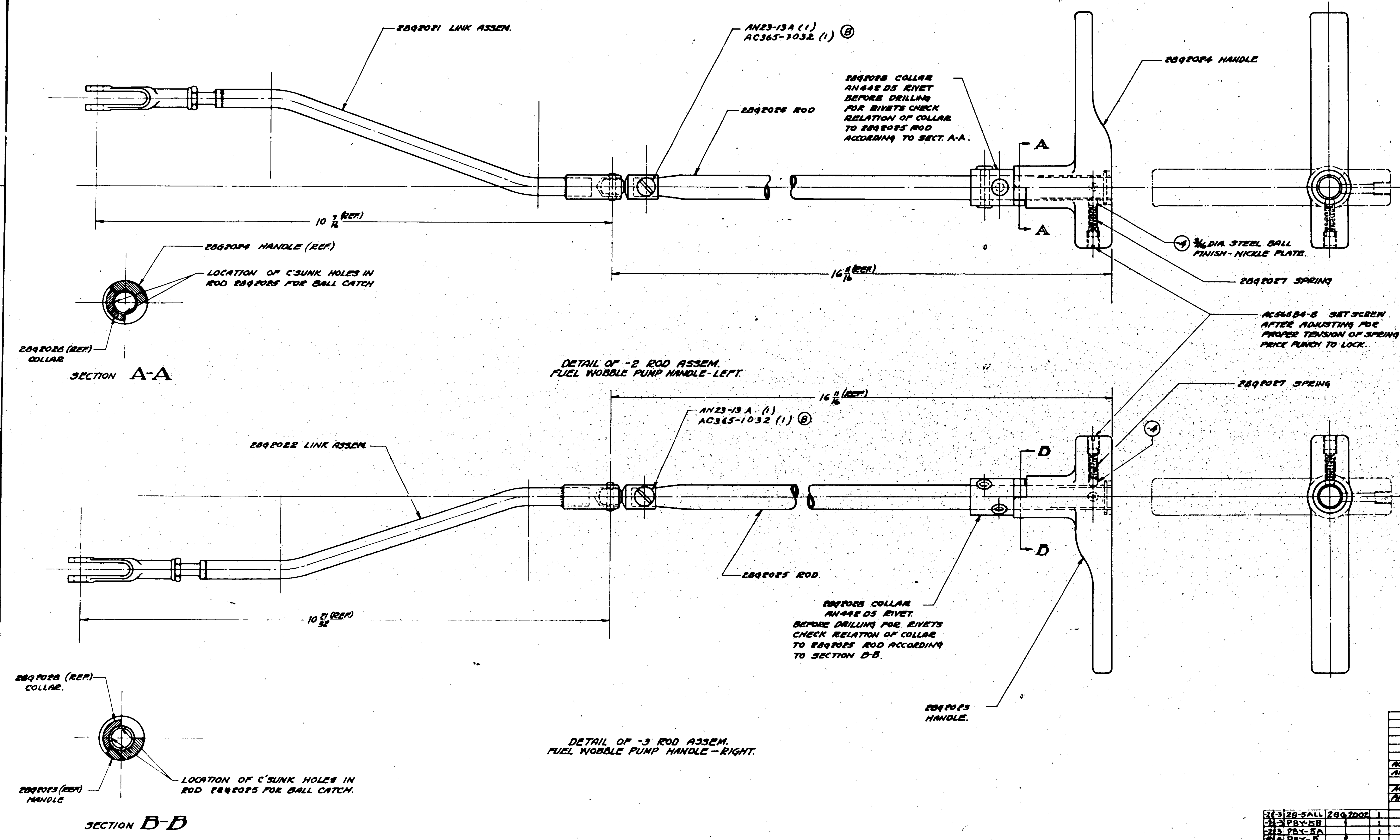
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND

DWG. SIZE G 28G2010

R 28G2010


SECTION A-A
SCALE 12"=1'-0"
SECTION E-E
SCALE 12"=1'-0"
SECTION F-F
SCALE 12"=1'-0"
SECTION G-G
SCALE 12"=1'-0"
SECTION D-D
SCALE 12"=1'-0"
SECTION B-B
SCALE 12"=1'-0"
SECTION C-C
SCALE 12"=1'-0"
SECTION Y-Y
SECTION X-X
28B1017-56 (REF)
DETAIL OF FITTING -6 L.H SHOWN
-7 R.H OPPOSITE
.030 AL. ALLOY SH. COND. A
H.T. AFTER BENDING.
Y-5-A7T X 15 - TRIM ENDS
ON ASSEMBLY TO FIT COWL.
-7 FITTING R.H
SEE DETAIL
-6 FITTING L.H
SEE DETAIL
AN442D4 RIVET
5 REQ'D PER FITTING
-2 CHANNEL .064 AL ALLOY SH.
COND. A ; H.T. AFTER BENDING
-3 CHANNEL .064 AL. ALLOY SH.
COND. A ; H.T. AFTER BENDING.
-9 CHANNEL .064 AL ALLOY SH.
COND. A ; H.T. AFTER BENDING.
-8 CHANNEL .064 AL.
ALLOY SH. COND. A ;
H.T. AFTER BENDING.
-12 CHANNEL .064 AL ALLOY SH.
COND. A ; H.T. AFTER BENDING
-10 CHANNEL .040 AL ALLOY SH.
COND. A ; H.T. AFTER BENDING.
-11 CHANNEL .040 AL ALLOY SH.
COND. A ; H.T. AFTER BENDING
DRILL 6 HOLES
JIG WITH E-3 VALVE
ON INSTALLATION.
DRILL 8 HOLES - JIG WITH
THOMPSON VALVE ON INST.
(-60 ASSEM ONLY)
VIEW LOOKING AFT
SIDE VIEW
FORWARD
DECK LINE
BULKHEAD #4
-55 ASSY.
ALL RIVETS ARE TO BE AN442-D5 EXCEPT AS NOTED.
GP-GREEN PRIME
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
SUPPORT ASSEMBLY-
FUEL SYSTEM UNITS
G 28G2014



SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED	2-16-38	
B	CHG'D. AN23-13 & AN320-3		
	& AN380-2-2 TO AN23-13A		
	& AC365-1032 ON FACE &		
	B/M. WT. CHG. NEG.	1-28-42	

FINISH
GP-GREEN PRIME

				STD PARTS	REQ.	PART NO.	REQ.
						28G2028	1
						28G2027	1
				AC565B4-8	1	28G2025	1
				AN442D5		28G2023	1
						28G2022	1
				AC365-1032	1	28G2019-4	1
				AN23-13A	1	PARTS ASSEMBLED ON -3	

O. H.	MODEL	NEXT ASSY.	REQ.	STD PARTS	REQ.	PART NO.	REQ.
-2&-3	28-5ALL	28G2002	1				
-2&-3	PBY-5B		1				
-2&-3	PBY-5A		1			28G2028	1
-2&-3	PBY-5		1			28G2027	1
-3	PBY-4	28G2002				28G2025	1
-2	PBY-4	28G2002		AC565B4-8	1	28G2024	1
-3	PBY-3	28G2002		AN442D5		28G2021	1
-2	PBY-3	28G2002					
-3	PBY-2	28G2002		AC365-1032	1	28G2019-4	1
-2	PBY-2	28G2002		AN23-13A	1	PARTS ASSEMBLED ON -2	

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES	LCW 2-16-38 APPROVED DATE	
REPLACED BY	.73 SHA. CALC. WT.	ACT. WT.
1/64 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	12" = 1'-0" SCALE	

A C				
NAVY NOTED	NOTED	NONE	8 ... GP	
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT / CHECK / EXAM.

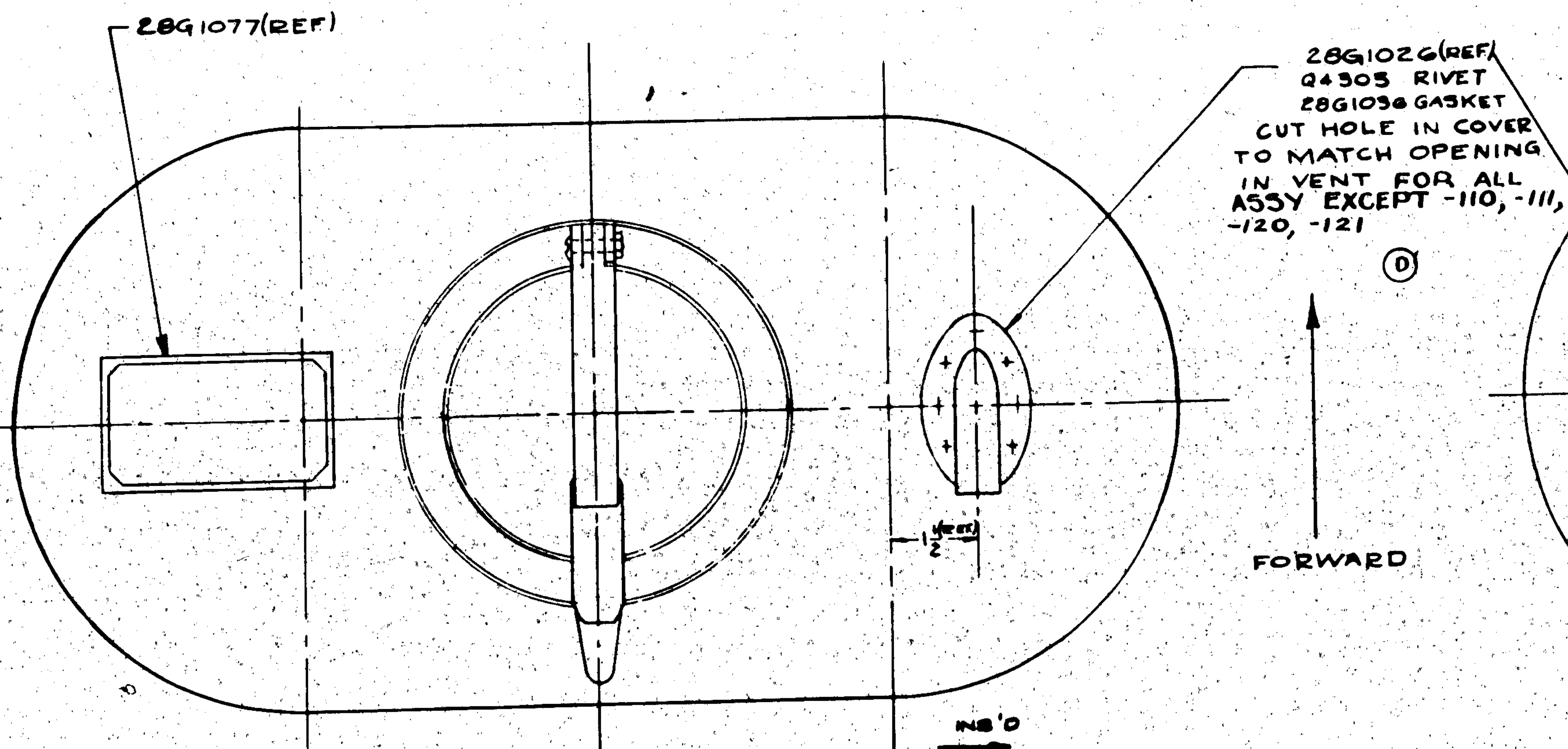
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: ROD ASSEM.- FUEL WOBBLE PUMP HANDLE

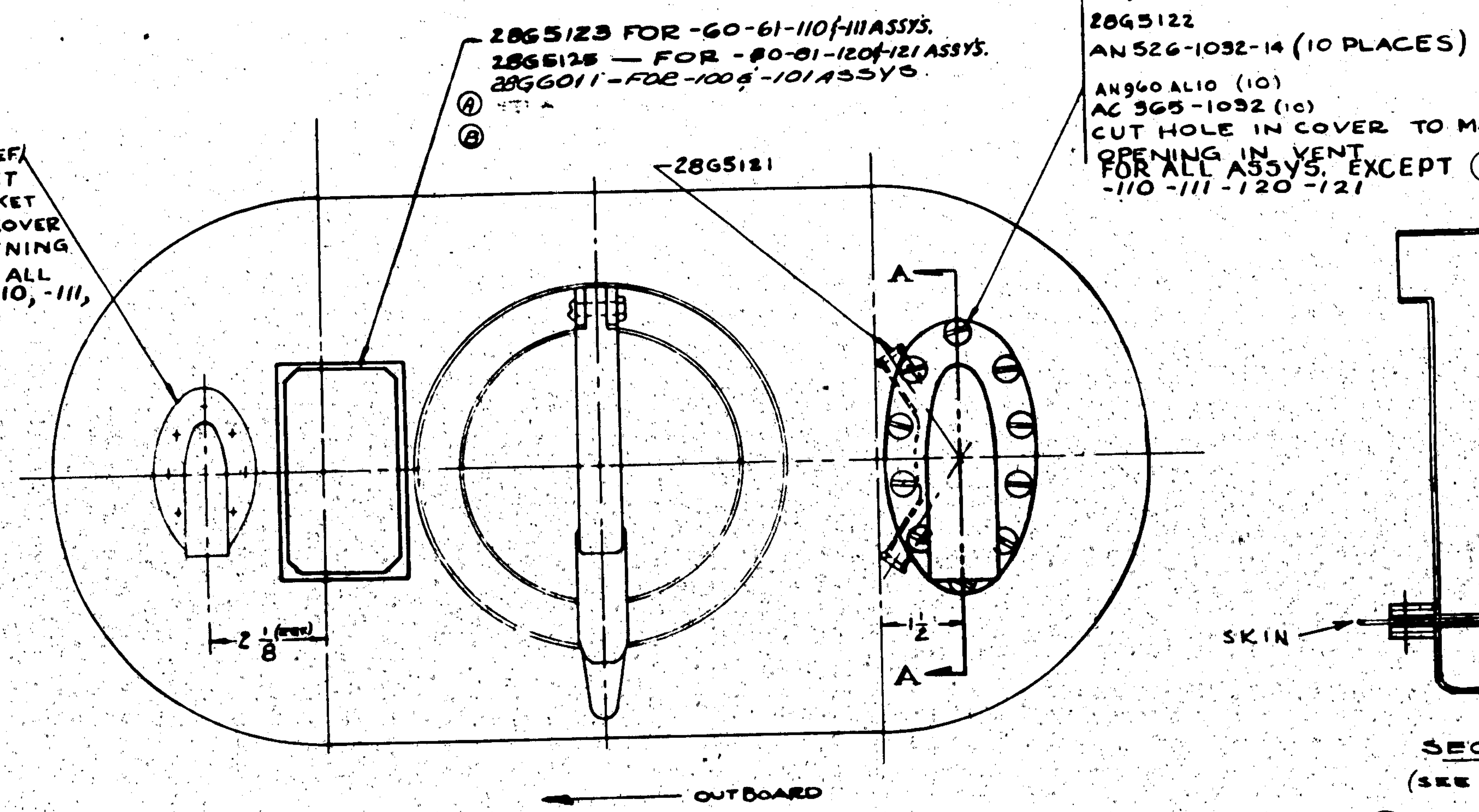
OPP. HAND

DWG. SIZE G 28G20

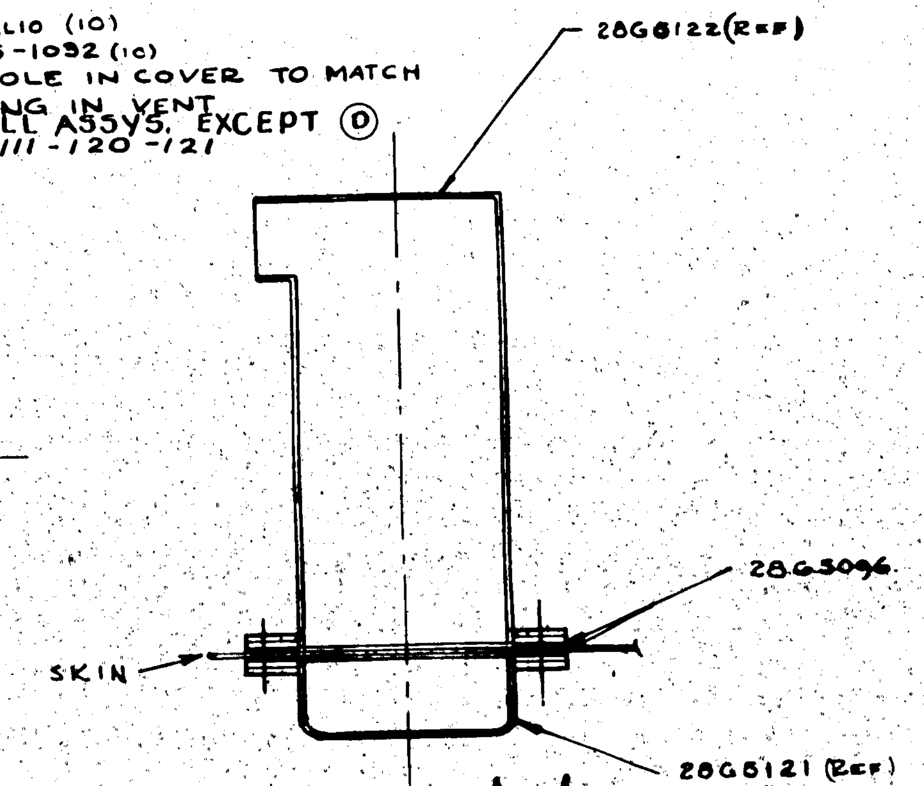
LET	ALTERATION	DATE	BY
A	28G5538 WAS 28G5126-2 ADDED 28G6011 FOR -100 & -101 ASSY. NO WT. CHG.	4-3-41	Young
B	REMOVED -90 & -91 ASSYS. & PART 28G5538 WT. CHG. NEG.	5-1-41	Young
C	ADDED -110, -111, -120 & -121 ASSYS. WT. CHG. NEG.	2-18	
D	NOTE "CUT HOLE ..... IN VENT FOR ALL ASSYS EXCEPT -110-111-120-121 ASSY" WAS "CUT HOLE ... IN VENT." WT. CHG. NEG.	5-1	



DETAIL FOR-0 ASSY (REF.) (L.H.)



DETAIL FOR-60 ASS'Y (L.H.)
-61 OPPOSITE -80 AND
-81 SAME EXCEPT AS NOTED
ALL PARTS OF THIS ASSY
SAME AS -0 ASS'Y EXCEPT
AS SHOWN.
-110, -111, -120 & -121 SAME AS
-60, -61, -80 & -81 RESP. EXCEPT
AS SHOWN ON SHT. 1



SECTION A-A
(SEE NOTE ON SHEET 1)

(M) DRAWING CHANGE L
-60, -61, -80, -81
RUSH RELEASED -
5-12-41.

SHEET #2 OF 2 SHEETS

NOTE: 65 PBY-5 AIRPLANES, SERIAL NUMBERS 2289, AND 2291 TO 2354 INCL. ARE BEING DELIVERED WITH -0 AND -1 ASS'YS. ON THESE AIRPLANES AND ANY OTHERS WHICH MAY BE DELIVERED WITH -0 AND -1 ASS'YS, THE NAVY PERSONNEL WILL CONVERT THE -0 AND -1 ASS'YS INTO -60 AND -61 ASS'YS PER DETAIL SHOWN ABOVE. C.A.C. WILL FURNISH THE FOLLOWING PARTS TO ENABLE THE NAVY TO ACCOMPLISH THIS CONVERSION:

28G5093	2	PER AIRPLANE
28G5095	2	" "
28G3010-6	4	" "
28G5123	2	" "
AN365-1032	20	" "
AN526-1032-14	20	" "
AN960-AL10L	20	" "
AN960-AL10	20	" "

SEE SHEET 1 FOR BM

ASSY. DASH No.	MODEL	NEXT ASSY.	No.

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH RH REQ. -0	LH RH REQ. -2	LH RH REQ. -3	LH RH REQ. -4	LH RH REQ. -8

PARTS LIST PER ASSY.

A C		5-9-41	BRANT		
NAVY NOTED	NOTED	WALLACE			
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT / APPROV. / ENG

OPP. HAND 28G3010-1

NAME INSTALLATION FUEL TANK MANHOLE COVER

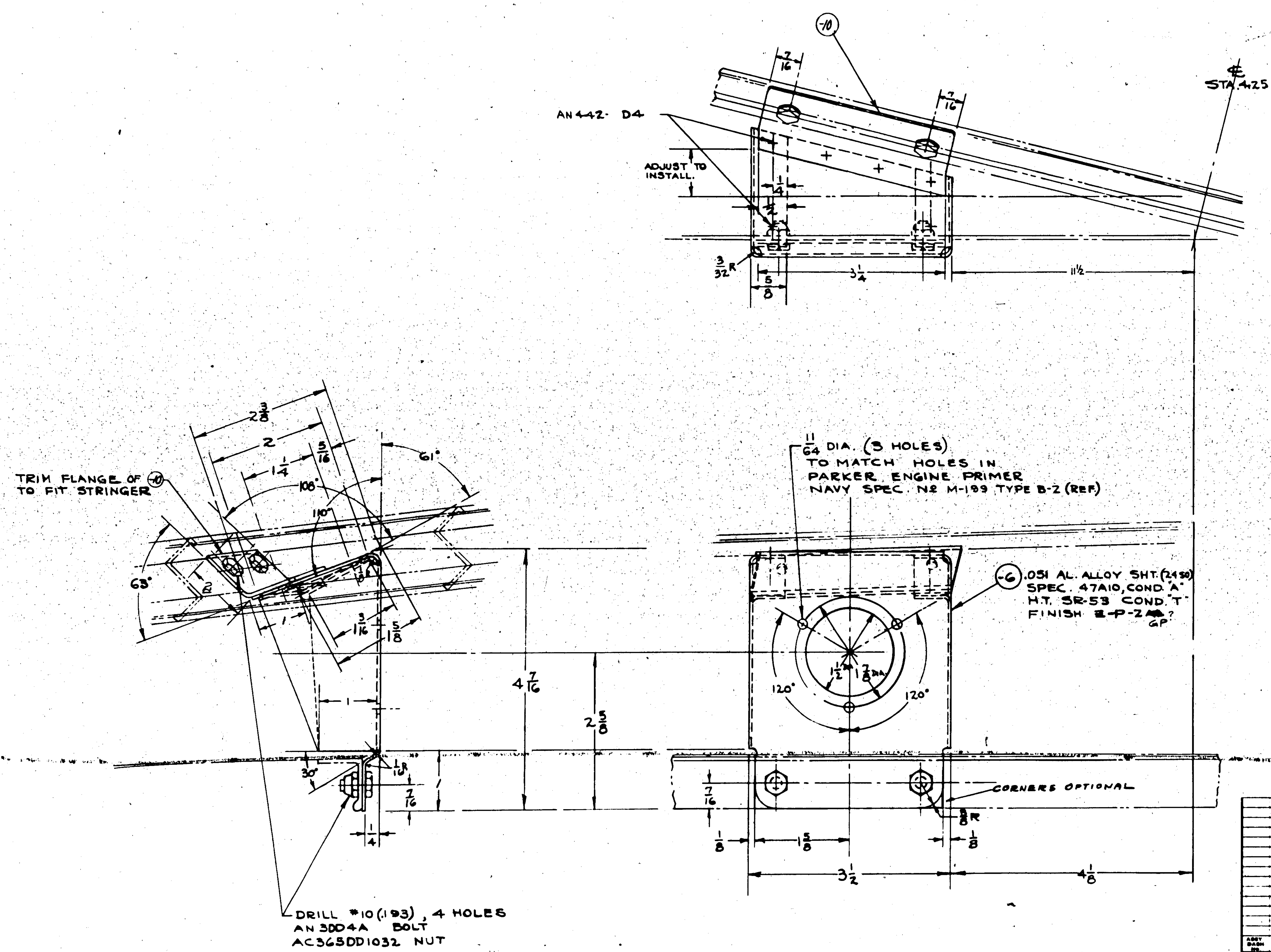
DWG. SIZE G — 28G3010 SHEET 2

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	CHANGED THICKNESS OF MAT'L WAS .064 WAS 24ST COND'T	9/5/40					
B	CUT LEG & ADDED -10 TO TAKE ITS PLACE	1-7-40					

E.O. 22562

E.O. 309209



	FINISH CODE
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

GP-GREEN PRIME

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28G5000	1
	PBY-5B	28G5000	1
	PBY-5	28G5000	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ. -0
AC365DD1032				4
AN3DD4A				4
AN442 D4				
-10	.064 x 2⅜			1
28G5011-6	.051 x 7½ x 8¼	AL. ALLOY (24SO)	47A10 COND A	1

PARTS LIST PER ASSY. (LH/RH REQ. -0, -2, -3, -4, -5)

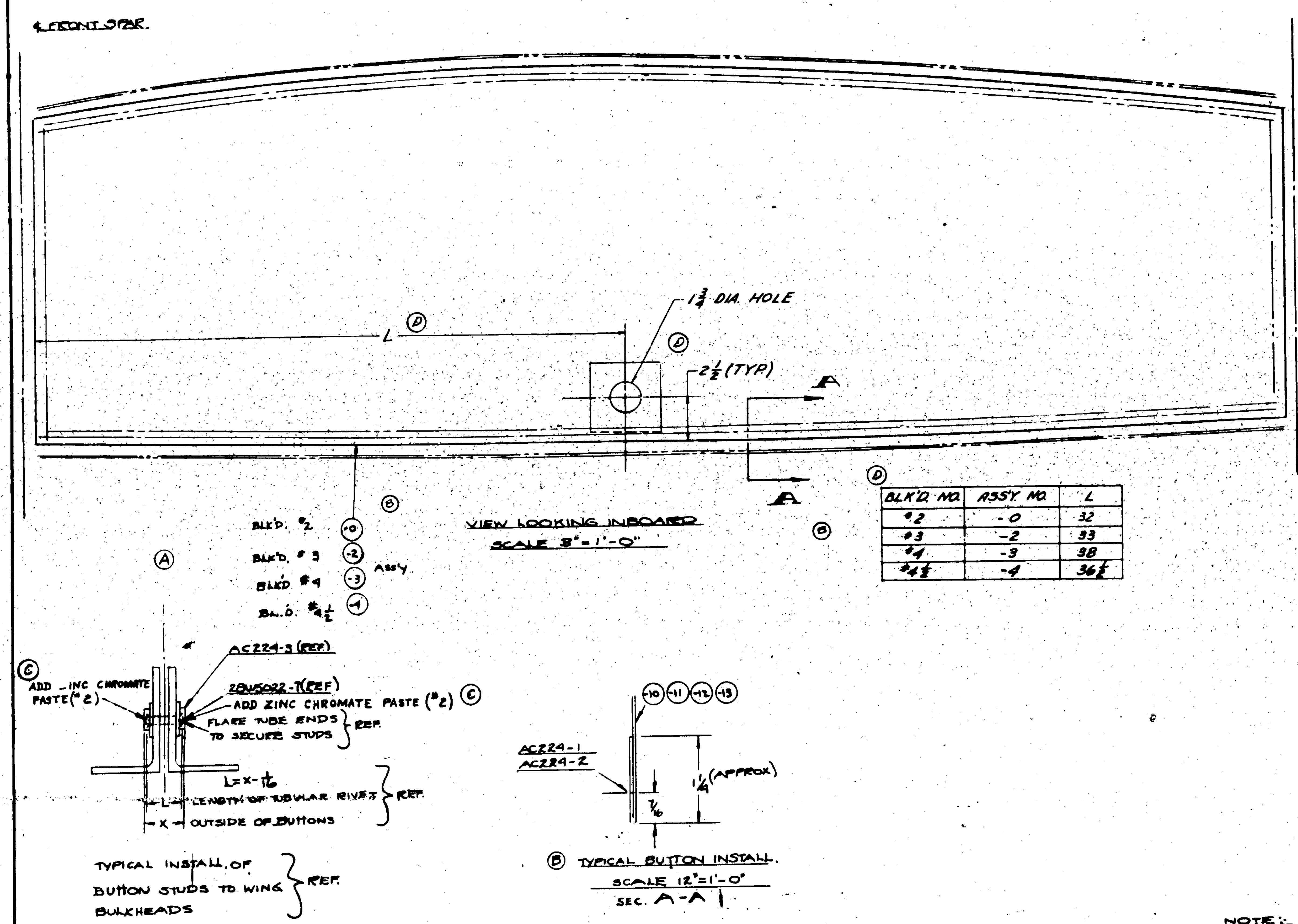
AC							
NAVY NOTED	NOTED	SUGGS 11-7-39	MAC DONALD 12-12-39				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME: BRACKET INSTALL. ENGINE PRIMER

OPP. HAND

DWG. SIZE G — 28G5011

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



(D)

BLK'D. NO.	ASSY. NO.	L
#2	-0	32
#3	-2	33
#4	-3	38
#4½	-4	36½

NOTE:-
AT PLACES WHERE SEVERE OR UNDUE CHAFING IS LIKELY TO TAKE PLACE CURTAINS MUST BE REINFORCED WITH RUBBING STRIPS AND HOLES REINFORCED (D) WITH PATCHES.

E.C. 32168

EXCEPT INSTALL PBY-5 #28 ON, PBY-5A'S, OA-10'S & 28-5'S PRIOR TO THIS. E.O. 38580A

E.O. A 4707 PBY-6, 28-5ME, 28-5MA, 28-5MN, OA-10, PBY-5A

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	REMOVED SECT. A-A AN442 D4 REPLACE WITH 9 MX 03244T32-A 22 REQ. 3/4 AC224-3 RR FROM 34 TO 22. -6 L & R -7 L & R SUB ASSY CHANGE REQ OF AC224-1 & AC224-2 FROM 34 L & R TO 22 L & R.	1-6-41	[illegible]				
B	SEC. A-A CHANGED NOTE REMOVED. B/M REVISED REMOVED -6, -7, -8 & -9 ADDED -10, -11, -12 & -13. ADDED -0, -2, -3 & -4 ASS'Y.	1-16-41, C.S. 8	[illegible]				
C	ADD .015 NEOPRENE WASHER (REF) DESCRIPTION TO FACE. NOTE ADDED.	5-7-41	[illegible]				
D	1¾ DIA. HOLE, 2½ & L DIMS. ADDED AND HOLES REINF. WITH PATCHES ADDED TO NOTE NEAR B/M.	6-19-[illegible]	STREET				
E	CHG'D MATL. FROM 20 OZ DUCK TO 8 OZ DUCK. WT CHG NEG.	6-5-42	CLARK				
F	ADDED (C.A.C. FAB 6-50) TO MATL. IN B/M. ON -10, -11, -12 & -13	11-10-42	KNAUSS				

31 SHIPS (-4R through -0L PBY-5B)

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-4R	PBY-5B	28G5040R	2
-4L	PBY-5B	28G5040L	2
-3R	PBY-5B	28G5040R	2
-3L	PBY-5B	28G5040L	2
-2R	PBY-5B	28G5040R	2
-2L	PBY-5B	28G5040L	2
-0R	PBY-5B	28G5040R	2
-0L	PBY-5B	28G5040L	2
-4R	28-5AMN	28G5040R	2
-4L	28-5AMN	28G5040L	2
-3R	28-5AMN	28G5040R	2
-3L	28-5AMN	28G5040L	2
-2R	28-5AMN	28G5040R	2
-2L	28-5AMN	28G5040L	2
-0R	28-5AMN	28G5040R	2
-0L	28-5AMN	28G5040L	2
-4R	PBY-5A	28G5040R	2
-4L	PBY-5A	28G5040L	2
-3R	PBY-5A	28G5040R	2
-3L	PBY-5A	28G5040L	2
-2R	PBY-5A	28G5040R	2
-2L	PBY-5A	28G5040L	2
-0R	PBY-5A	28G5040R	2
-0L	PBY-5A	28G5040L	2
-4R	28-5AMC	28G5040R	2
-4L	28-5AMC	28G5040L	2
-3R	28-5AMC	28G5040R	2
-3L	28-5AMC	28G5040L	2
-2R	28-5AMC	28G5040R	2
-2L	28-5AMC	28G5040L	2
-0R	28-5AMC	28G5040R	2
-0L	28-5AMC	28G5040L	2
-4R	28-5MN	28G5040R	2
-4L	28-5MN	28G5040L	2
-3R	28-5MN	28G5040R	2
-3L	28-5MN	28G5040L	2
-2R	28-5MN	28G5040R	2
-2L	28-5MN	28G5040L	2
-0R	28-5MN	28G5040R	2
-0L	28-5MN	28G5040L	2
-4R	28-5MA	28G5040R	2
-4L	28-5MA	28G5040L	2
-3R	28-5MA	28G5040R	2
-3L	28-5MA	28G5040L	2
-2R	28-5MA	28G5040R	2
-2L	28-5MA	28G5040L	2
-0R	28-5MA	28G5040R	2
-0L	28-5MA	28G5040L	2
-4R	28-5ME	28G5040R	2
-4L	28-5ME	28G5040L	2
-3R	28-5ME	28G5040R	2
-3L	28-5ME	28G5040L	2
-2R	28-5ME	28G5040R	2
-2L	28-5ME	28G5040L	2
-0R	28-5ME	28G5040R	2
-0L	28-5ME	28G5040L	2
-4R	PBY-5	28G5040R	2
-4L	PBY-5	28G5040L	2
-3R	PBY-5	28G5040R	2
-3L	PBY-5	28G5040L	2
-2R	PBY-5	28G5040R	2
-2L	PBY-5	28G5040L	2
-0R	PBY-5	28G5040R	2
-0L	PBY-5	28G5040L	2

REQUIREMENTS PER AIRPLANE

(B)

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
AC224-2				21	21	21	21	22	22	22	22		
AC224-1				21	21	21	21	22	22	22	22		
-13	25x76	8 OZ. DUCK C.A.C. FAB 6-50	24D4							1	1		
-12	25x76	8 OZ. DUCK C.A.C. FAB 6-50	24D4					1	1				
-11	25x76	8 OZ. DUCK C.A.C. FAB 6-50	24D4			1	1						
-10	25x76	8 OZ. DUCK C.A.C. FAB 6-50	24D4	1	1								

PARTS LIST PER ASSY.

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE NOTED
STAMP PART NUMBER WHERE SHOWN

A C — NAVY — HEAT TREAT — FINISH
DRAFT 9-5-40 — CHECK — STRUCT. — MAT. — APPROV. — ENG.

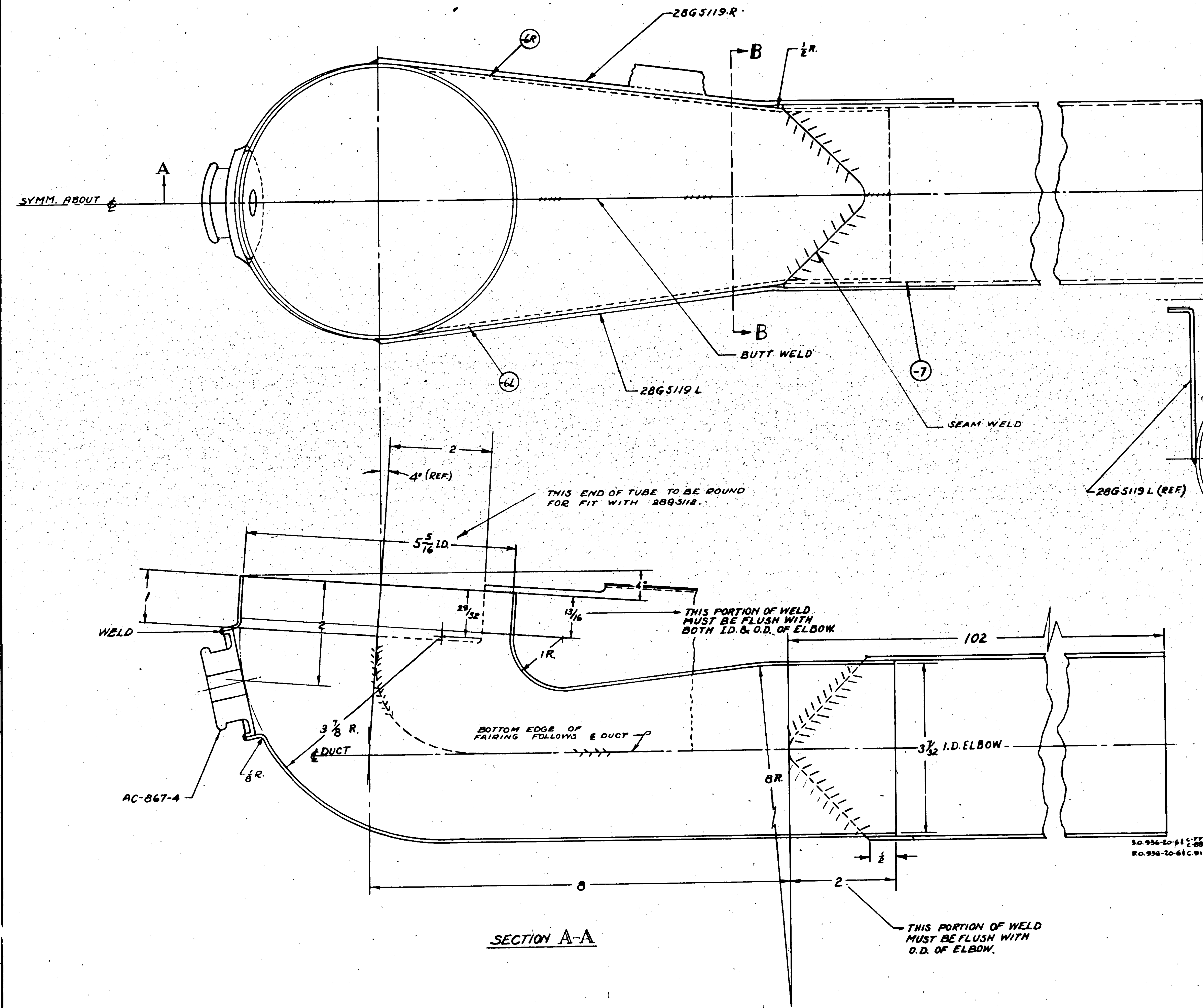
NAME CURTAIN - BULKHEAD - STA'S 2-4½ - CENTER SECTION - WING

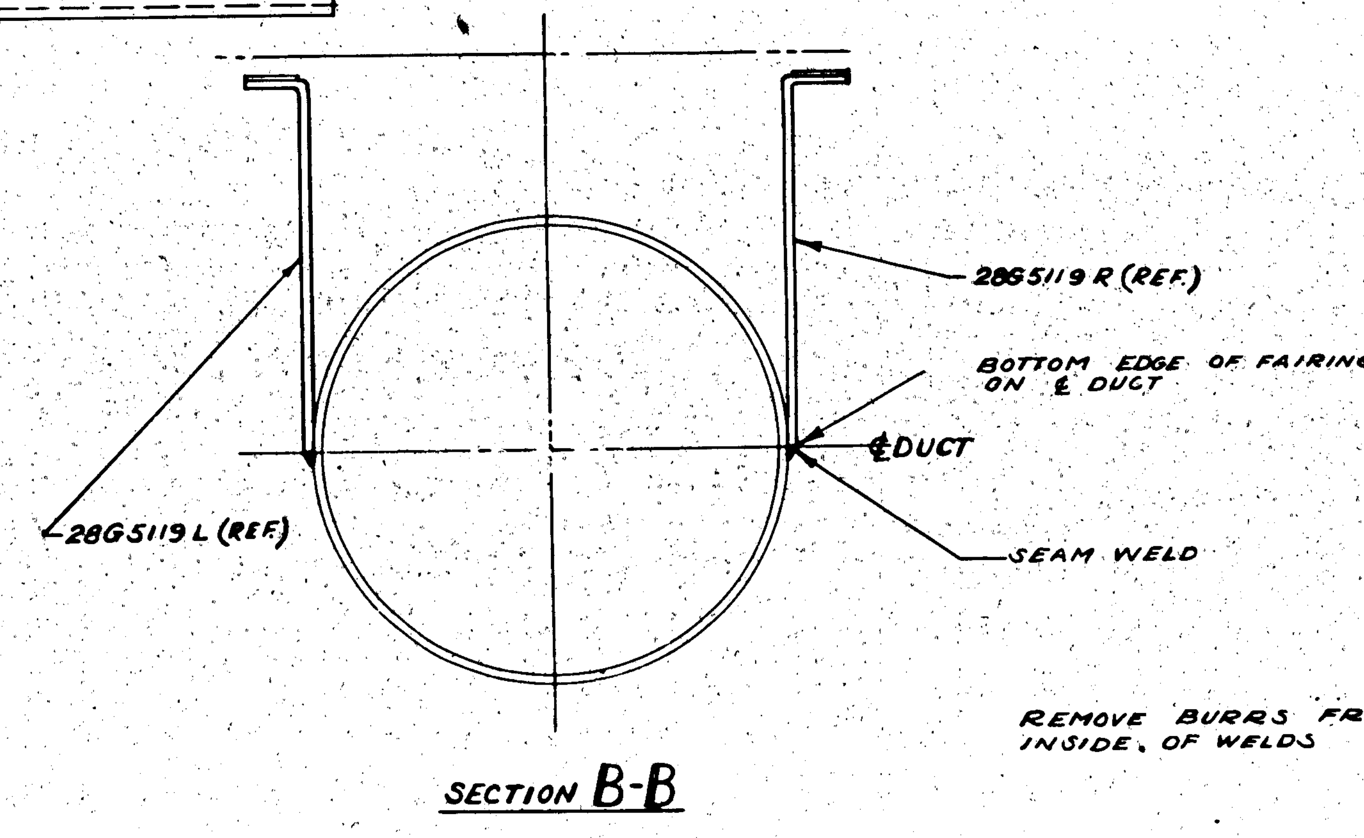
OPP. HAND 28G5055R

DWG. G 28G5055

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	RELOCATED AC 867-4 TO COINCIDE WITH 2" DIM. NO WT. CHG.	3-22-41	[illegible]





FINISH NOTE:
Z-2P-2 NON SPEC. LACQUER M-485 EXCEPT INSIDE TUBE
FINISH INSIDE TUBE Z-2P

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

REMOVE BURRS FROM INSIDE OF WELDS

S.O. 936-20-6

S.O. 936-20-6 C-77712 & C-80976
S.O. 936-20-6 C.91876

ASSY DASH No	MODEL	NEXT ASSY	REQ
-0	PBY-5A	28G5078	1
-0	PBY-5	28G5078	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & ½° — SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0
AC867-4				1
28G5119-R				1
28G5119-L				1
-7	3¼ O.D. x .065 x 108	ALUM. TUBE	4ST19 ½H	1
-6R	.064 x 8⅞ x 13	ALUMINUM	47A2 TEMP ½H	1
-6L	.064 x 8⅞ x 13	ALUMINUM	47A2 TEMP ½H	1

PARTS LIST PER ASSY.

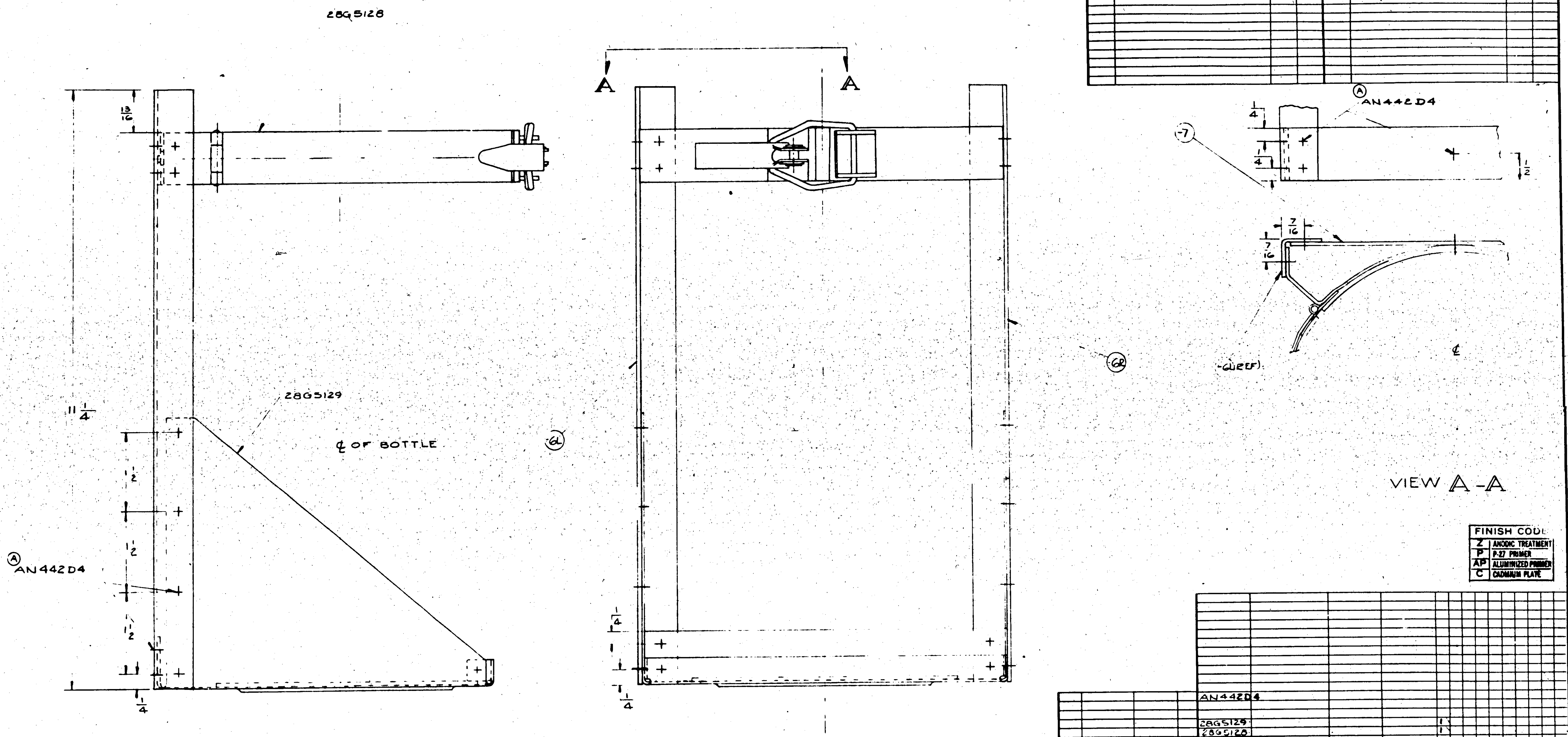
		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
A C		3-12-41	[illegible]				
NAVY NEUTRALIZE	NOTED	HILL	KK.				
HEAT TREAT	FINISH						

NAME TUBE ASS'Y. - FUEL DUMP VALVE DUCT

OPP HAND

DWG. SIZE G — 28G5080

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	AN442D4 RIVETS WERE AN442AD	8-31-41	
				B	IN B/M FOR -61 & -62 REPLACED "K5401 x 11 3/4, AL.AL 24ST, 46AB COND T" WITH "Y-2-A27 T x 11 3/16." (CONT. CHG. W)	5-4-45	

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	XP4Y-1	31F3055	1
	PBY-5A	28G5056	1
	PBY-5A	28G5156	1
	PBY-5	28G3054	1

C-77713 (CONTRACT CHG. "G-A", CONTRACT CHG. "W")

REQUIREMENTS PER AIRPLANE

REPLACED — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
AN442D4								
28G5129				1				
28G5128				1				
-7	.064 × 1 × 7 1/8	ALCL 24ST	47A9 COND T	1				
-62	Y-2-A27 T x 11 3/16			1				
28G5091-61	Y-2-A27 T x 11 3/16			1				

PARTS LIST PER ASSY.

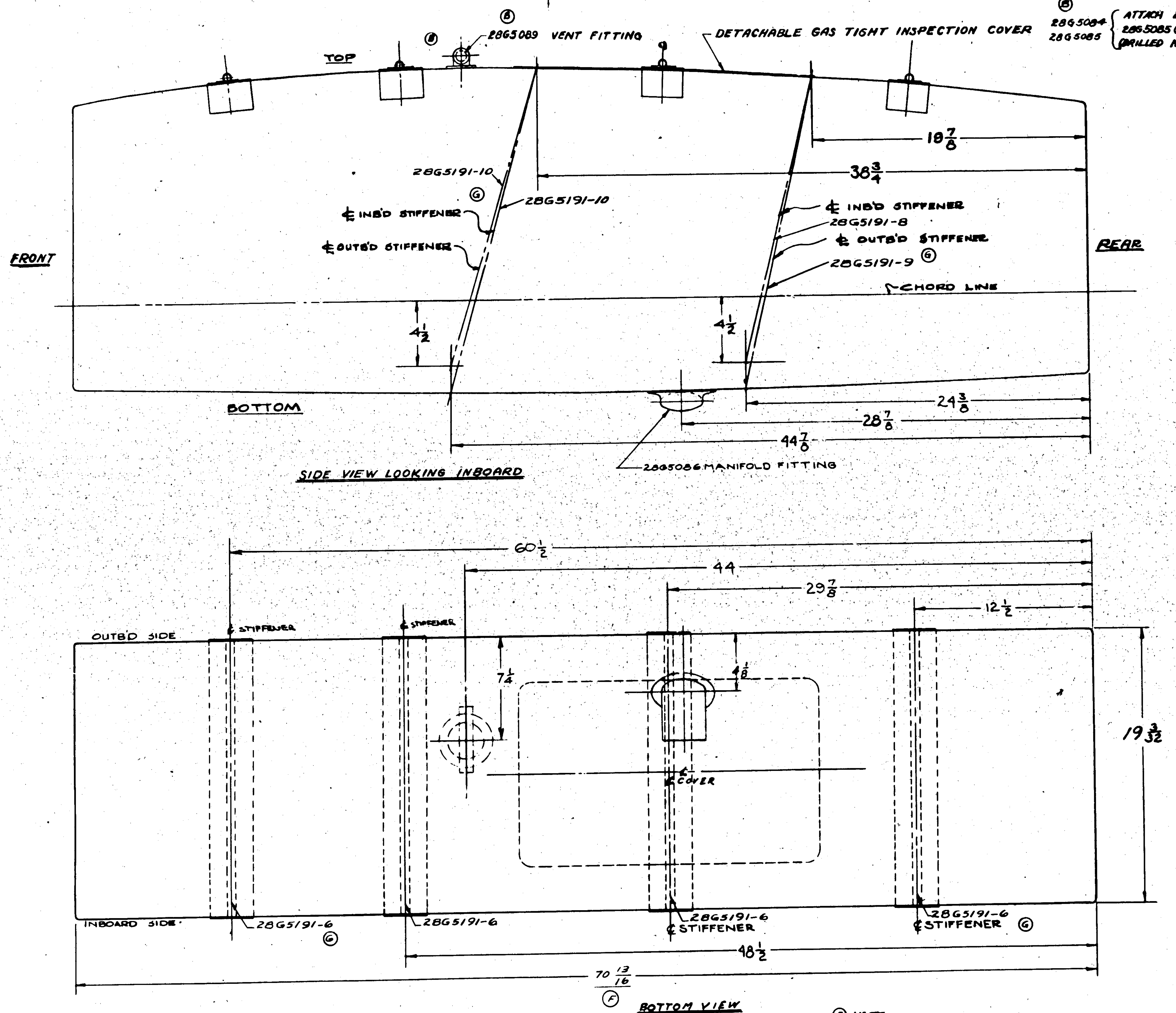
AC		6-2-41	BRAND				
NAVY NONE	Z-P-ZAP	WALLACE					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME MOUNTING ASSEM. PURGING SYSTEM

OPP. HAND —

DWG. SIZE G — 28G5091

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



(B) NOTE:
ALL PARTS AS CALLED FOR ARE FURNISHED AND INSTALLED ON CELLS BY VENDOR.
ALL BOLTS TO BE PRIMED BEFORE A'SSY & HEADS REPRIMED AFTER WIRING.
LOCK WITH SINGLE SAFETY WIRE.

(D) NOTE:
ALL GOODYEAR SELF-SEALING CELL INSPECTION COVERS WITH 1/4 BOLTS TO BE SECURED WITH PERMATEX #2 PASTE AND A TORQUE OF 65 TO 75 IN. LBS.

LET	ALTERATION	DATE	BY
G	ADDED STIFFENERS 28G5191-8(1)&9(1), -10(2), -6(4). REMOVE PART OF NOTE #5: "STIFFENERS ON TOP.... 17ST ALUM-ALLOY TUBING" WT. CHG NEG.	1-20-43	

LET	ALTERATION	DATE	BY
A	CHANGE: 23 1/2 TO 23, 12 1/2 TO 13, 23 1/2 TO 25	3-13-41	WILLEY
B	CHG NOTE #6 SPEC FTL-10 WAS FTL-20. ADDED NOTES: ALL ... AS ... ETC., ATTACH 28G5084 (REF) ... ETC. ADDED PART NOS. 28G5084, 28G5085, 28G5086, 28G5089 TO ... DWG. AN3-4A & AN940-816 ADDED. REVISED DIM 7/4.	9-30-41	
C	ADD LENGTH & WIDTH TO DWG. CHG. LIMITS ON OVERALL DIM. TO ± 1/8. REMOVED NOTE #3. DIMENSIONED FITTINGS, ETC. FROM REAR FACE OF CELL INSTEAD OF FROM DATUM LINE	1-16-42	
D	ADDED NOTE: "ALL GOODYEAR ---- IN. LBS."	4-29-42	
E	AN940-416(40) WAS AN940-316(44) & AN4-4A (40) WAS AN3-4A (44) NO WT. CHG.	10-19-42	NOE
F	70 13/16 WAS 71 1/16. NO WT. CHG.	10-19-42	NOE

- NOTES -
1. TOLERANCES ON COMPLETED CELL:
   LENGTH: ± 1/8
   WIDTH: ± 1/8
   HEIGHT: ± 1/8
2. FOR OUTSIDE CONTOUR DIMENSIONS USE ORDINATE DWG. 28R5070
4. ALL FITTINGS SHOWN ARE FURNISHED BY VENDOR AND ARE TO BE MOULDED FROM SYNTHETIC RUBBER, IMPERVIOUS TO GAS, AND TO BE VULCANIZED TO CELL IN LOCATIONS AS SHOWN.
5. REMOVABLE STIFFENERS TO BE INSTALLED IN LOCATIONS INDICATED ON DRWG. TO PREVENT SAG AND PERMANENT SET OF CELL (G) WALLS UNDER OPERATING CONDITIONS.
6. CONSTRUCTION OF CELLS TO CONFORM WITH GOODYEAR TIRE & RUBBER CO. SPEC. FTL-10 (B) AND TO NAVY SPEC M-475 FOR FUEL CONTAMINATION, FUEL DIFFUSION & WEIGHT INCREASE.

PURCHASE TO DWG.

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-R	28-5MN	28G5040	1
-L	28-5MN	28G5040	1
-R	28-5AMN	28G5040	1
-L	28-5AMN	28G5040	1
-R	PBY-5A	28G5040-2R	1
-L	PBY-5A	28G5040-2L	1
-R	PBY-5	28G5040-3R	1
-L	PBY-5	28G5040-3L	1

REQUIREMENTS PER AIRPLANE

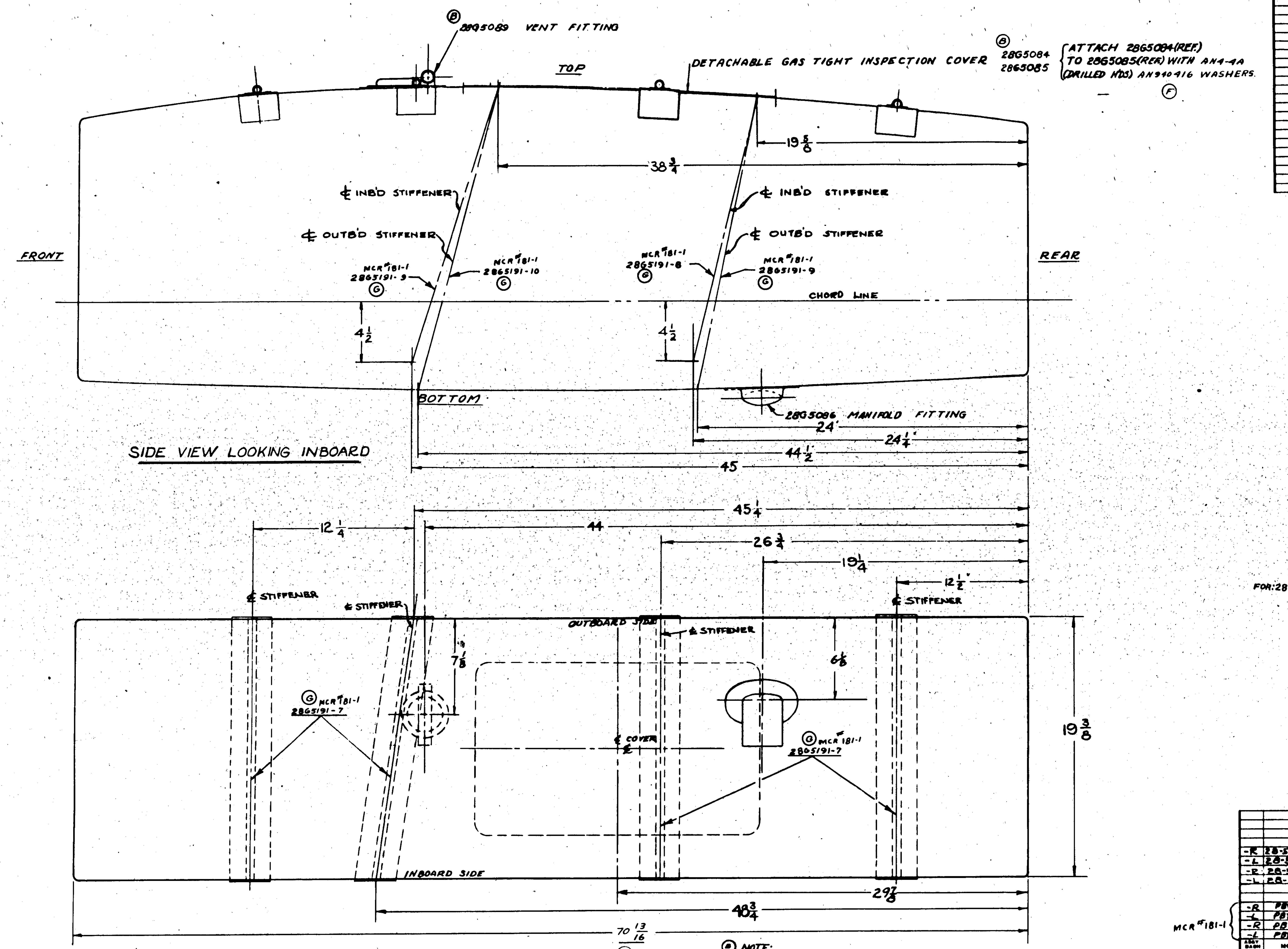
PART No	STOCK	MATERIAL	SPEC	REQ -0 LH	REQ -0 RH
28G5191-8				1	1
28G5191-10				2	2
28G5191-9				1	1
28G5191-6				4	4
AN940-416	WASHERS			40	40
AN4-4A	BOLTS			40	40
28G5085	INSP COVER FRAME A'SS'Y			1	1
28G5084	INSP COVER			1	1
28G5089	VENT FITTING			1	1
28G5086	MANIFOLD FITTING			1	1
-0	SEE NOTE #6			1	1

PARTS LIST PER ASSY. REQ -0, -2, -3, -4, -5

REPLACES — CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16 — SCALE 5" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

A C
NAVY
HEAT TREAT — FINISH
DRAFT: WILLEY 2-28-41 — CHECK — STRUCT — MAT — APPROV 10-8-41 — ENG

NAME FUEL CELL #2 SELF SEALING CELL-WING-CENTER SECTION
OPP HAND 28G5106-R
DWG SIZE G — 28G5106
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



NOTE:
ALL PARTS AS CALLED FOR ARE FURNISHED AND INSTALLED ON CELLS BY VENDOR. ALL BOLTS TO BE PRIMED BEFORE ASS'Y & HDS. TO BE REPRIMED AFTER WIRING. LOCK WITH SINGLE SAFETY WIRE.

NOTES:
1. TOLERANCES ON COMPLETED CELL:
   LENGTH ± 1/8
   WIDTH ± 1/8
   HEIGHT ± 1/8
2. FOR OUTSIDE CONTOUR DIMENSIONS USE ORDINATE DWG. 28R5070
4. ALL FITTINGS SHOWN ARE FURNISHED BY VENDOR & ARE TO BE MOLDED FROM SYNTHETIC RUBBER IMPERVIOUS TO GAS, & TO BE VULCANIZED TO CELL IN LOCATIONS AS SHOWN.
5. REMOVABLE STIFFENERS TO BE INSTALLED IN LOCATIONS INDICATED ON DWG. TO PREVENT SAG & PERMANENT SET OF CELL WALLS UNDER OPERATING CONDITIONS.
   FOR 28-5AMN & MN (G): STIFFENERS ON TOP SURFACE TO BE 1/2 O.D. X .049 & STIFFENERS ON SIDE WALLS TO BE 1/2 O.D. X .064 -17ST ALUM. ALLOY TUBING.
6. CONSTRUCTION OF CELLS TO CONFORM WITH GOODYEAR TIRE & RUBBER CO. SPEC. FTL-10 (B) AND TO NAVY SPEC. M475 FOR FUEL CONTAMINATION, FUEL DIFFUSION & WEIGHT INCREASE
(D) 7. ALL GOODYEAR SELF-SEALING CELLS INSPECTION COVERS WITH 1/4 BOLTS ARE TO BE SECURED WITH PERMATEX #2 PASTE & A TORQUE OF 65 TO 75 IN. LBS.

LET	ALTERATION	DATE	BY
A	[illegible]		
B	CHG NOTE #6 SPEC FTL-10 WAS FTL-20. ADDED NOTES - ALL PARTS - - ETC & ATTACH 2865084 (REF.) - - ETC. ADDED PART NOS. 2865084, 2865085, 2865086 & 2865089 TO DWG & B/M. AN3-4A & AN940-316 ADDED	9-30-41	[illegible]
C	REMOVED DATUM LINE & CHG SYSTEM OF DIMENSIONING ADD LENGTH & WIDTH OF CELLS & CHG. LIMITS ON OVERALL DIM. TO ± 1/8. REMOVED NOTE #3	1-16-42	KARL
D	ADDED NOTE Nº 7.	3-2-42	GRAY
E	70 13/16 WAS 71 1/16. NO WT. CHG	10-19-42	MOE
F	AN940-416 (40) WAS AN940-316 (44) & AN4-4A (40) WAS AN3-4A (44) NO WT. CHG.	10-19-42	MOE
G	ADDED CALL OUT OF 2865191-7(4), -8(1), -9(2) & -10(1). REMOVED LATTER PART OF NOTE # 5. WT CHG NEG.	2-4-43	WINTER

REQUIREMENTS PER AIRPLANE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-R	28-5AMN	2865040	1
-L	28-5AMN	2865040	1
-R	28-5MN	2865040	1
-L	28-5MN	2865040	1
-R	PBY-5A	2865040-2R	1
-L	PBY-5A	2865040-2L	1
-R	PBY-5	2865040-2R	1
-L	PBY-5	2865040-2L	1

MCR #181-1 (for -R/-L PBY-5A and PBY-5)

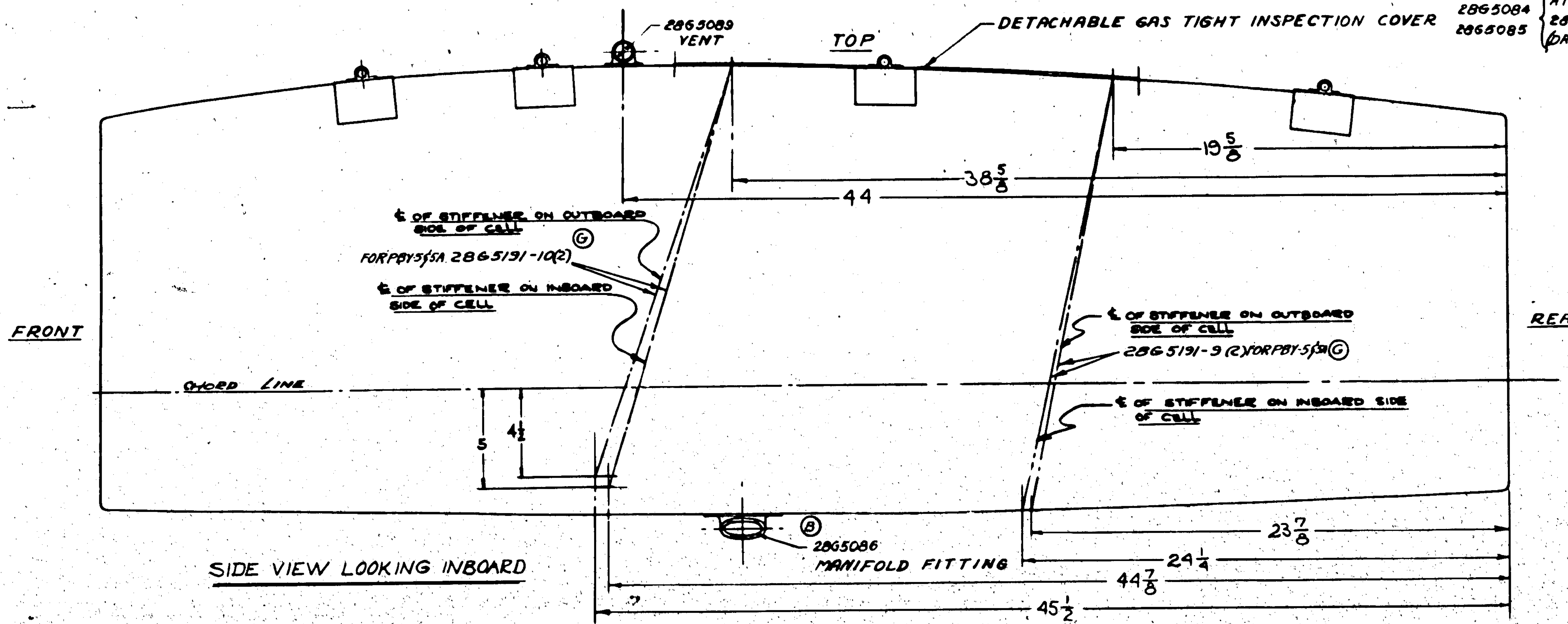
PARTS LIST PER ASSY.

PART No	STOCK	REQ -0 LH	REQ -0 RH
2865191-7	MCR # 181-1	4	4
2865191-8	MCR # 181-1	1	1
2865191-9	MCR # 181-1	2	2
AN940-416	WASHERS	40	40
AN4-4A	BOLTS	40	40
2865191-10	MCR # 181-1	1	1
2865089	VENT FITTING	1	1
2865086	MANIFOLD FITTING	1	1
2865085	INSR COVER FRAME ASSY.	1	1
2865084	INSP. COVER	1	1
-6	SEE NOTE #6	1	1

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16 — SCALE 3" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

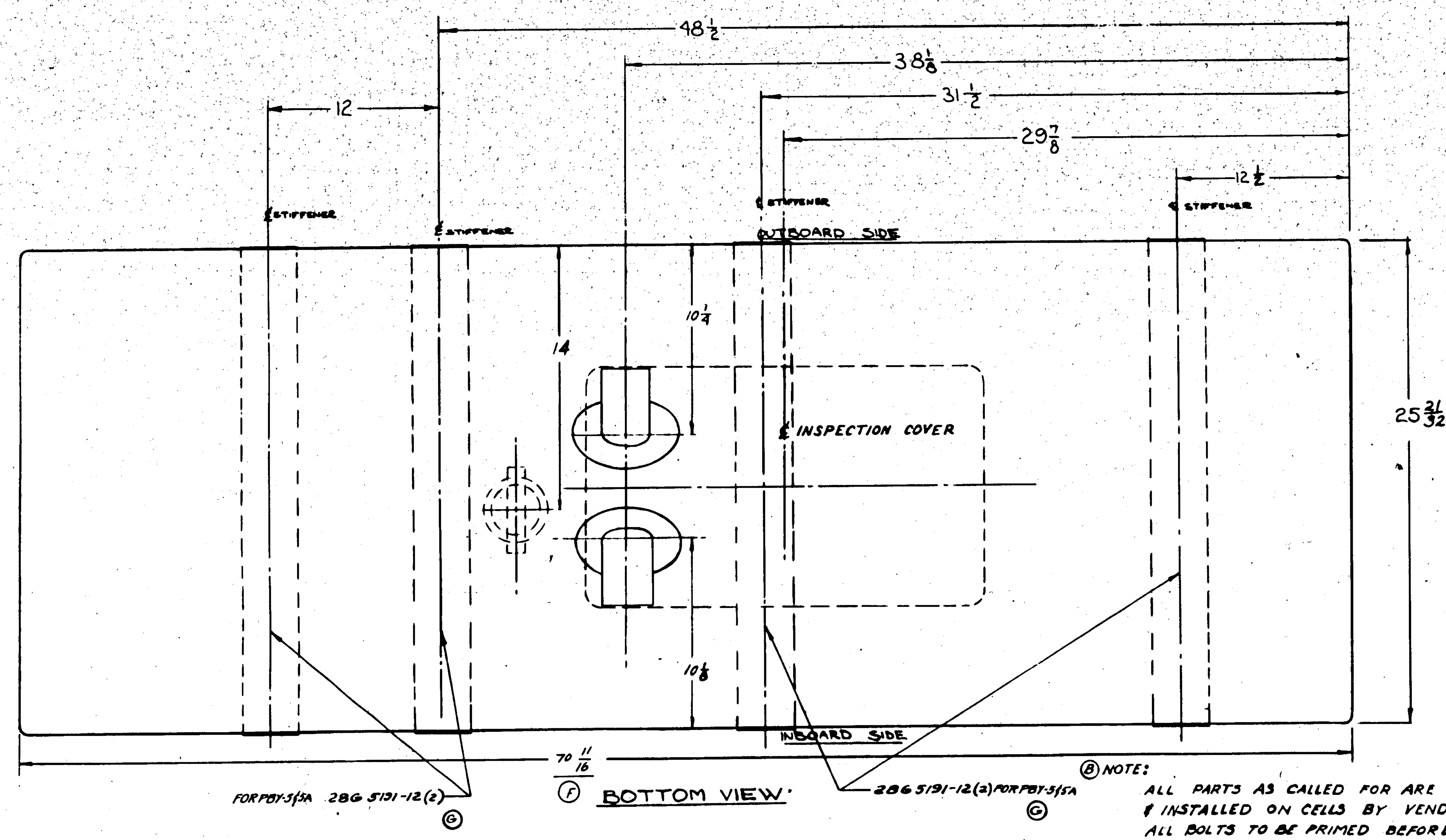
A C / NAVY / HEAT TREAT / FINISH
DRAFT: WALLEY 2-28-41 / CHECK / STRUCT / MAT / APPROV 3-1-41 / ENG

NAME FUEL CELL #3 SELF SEALING WING — CENTER SECTION
OPP HAND 2865107-R
DWG SIZE G 2865107
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



SIDE VIEW LOOKING INBOARD

(B) 2865084 2865085 — ATTACH 2865084 (REF) TO 2865085 (REF) WITH AN4-3A (DRILLED H'DS) & AN940-416 WASHER (E)



(F) BOTTOM VIEW

(B) NOTE: ALL PARTS AS CALLED FOR ARE FURNISHED & INSTALLED ON CELLS BY VENDOR. ALL BOLTS TO BE PRIMED BEFORE INST'N. & HEADS TO BE REPRIMED AFTER WIRING. LOCK WITH SINGLE SAFETY WIRE.

NOTES:-

1. TOLERANCES ON COMPLETED CELL:
   LENGTH ± 1/8
   WIDTH ± 1/8
   HEIGHT ± 1/8
2. FOR OUTSIDE CONTOUR DIMENSIONS USE ORDINATE DWG. 28R5070

4. ALL FITTINGS SHOWN ARE FURNISHED BY VENDOR & ARE TO BE MOLDED FROM SYNTHETIC RUBBER IMPERVIOUS TO GAS, & TO BE VULCANIZED TO CELL IN LOCATIONS AS SHOWN.
5. REMOVABLE STIFFENERS TO BE INSTALLED IN LOCATIONS INDICATED ON DWG. TO PREVENT SAG & PERMANENT SET OF CELL WALLS UNDER OPERATING CONDITIONS. (B)
6. CONSTRUCTION OF CELLS TO CONFORM WITH GOODYEAR TIRE & RUBBER CO. SPEC. FTL-10 (B) & TO NAVY SPEC. M475 FOR FUEL CONTAMINATION, FUEL DIFFUSION & WEIGHT INCREASE
7. (D) ALL GOODYEAR SELF SEALING CELL INSPECTION COVERS WITH 1/4 BOLTS ARE TO BE SECURED WITH PERMATEX #2 PASTE AND A TORQUE OF 65 TO 75 IN. LBS. - EFFECTIVE ON PBY-5, C-91876 & PBY-5A, C.88476.

PURCHASE TO DWG.

LET	ALTERATION	DATE	BY
	LATTER PART OF NOTE #5 "STIFFENERS — TUBING." WT. CHG. NEG.	2-9-93	

LET	ALTERATION	DATE	BY
A	CHANGE: 25 WAS 21 1/8, 13 WAS 12 7/8, 23 WAS 26	3-20-41	WILLEY
B	CH'G NOTE #6 SPEC FTL-10 WAS FTL-20. ADDED NOTES:- ALL PARTS -- ETC. & ATTACH 2865084 (REF) -- ETC. ADDED PART NOS. 2865084, 2865085, 2865086 & 2865089 TO DWG & 4/m AN3-4A & AN940-316 ADDED	8-30-41	
C.	REMOVE DATUM LINE & CHG. SYSTEM OF DIMENSIONING. ADD LENGTH & WIDTH OF CELLS & CHG LIMITS ON OVERALL DIMENSIONS TO ± 1/8. REMOVED NOTE #3	1-16-42	KAREL
D	ADDED NOTE #7.	5-2-42	
E	AN940-416 (40) WAS AN940-316 (49) & AN4-3A (40) WAS AN3-4A (49) NO WT. CHG.	10-19-42	NOE
F	70 11/16 WAS 71. NO WT. CHG.	10-19-42	NOE
G	ADDED 2865191-9 (2 L/R), 2865191-10 (2 L/R) & 2865191-12 (4 L/R). REMOVED		

ASSY DASH NO	MODEL	NEXT ASSY	NO
-R	28-5AMN	28G5040	1
-L	28-5AMN	28G5040	1
-R	28-5MN	28G5040	1
-L	28-5MN	28G5040	1
			1
			1
-R	PBY-5A	28G5040	1
-L	PBY-5A	28G5040	1
-R	PBY-5	28G5040	1
-L	PBY-5	28G5040	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16 — SCALE 3" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0 LH	-0 RH
2865191-12	FOR PBY-5/5A			4	4
2865191-10	FOR PBY-5/5A			2	2
2865191-9	FOR PBY-5/5A			2	2
AN940-416	WASHER			40	40
AN4-3A	BOLTS			40	40
2865089	VENT FITTING			1	1
2865086	MANIFOLD FITTING			2	2
2865085	INSP COVER FRAME ASS'Y			1	1
2865084	INSP COVER			1	1
-6	SEE NOTE #6			1	1

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5

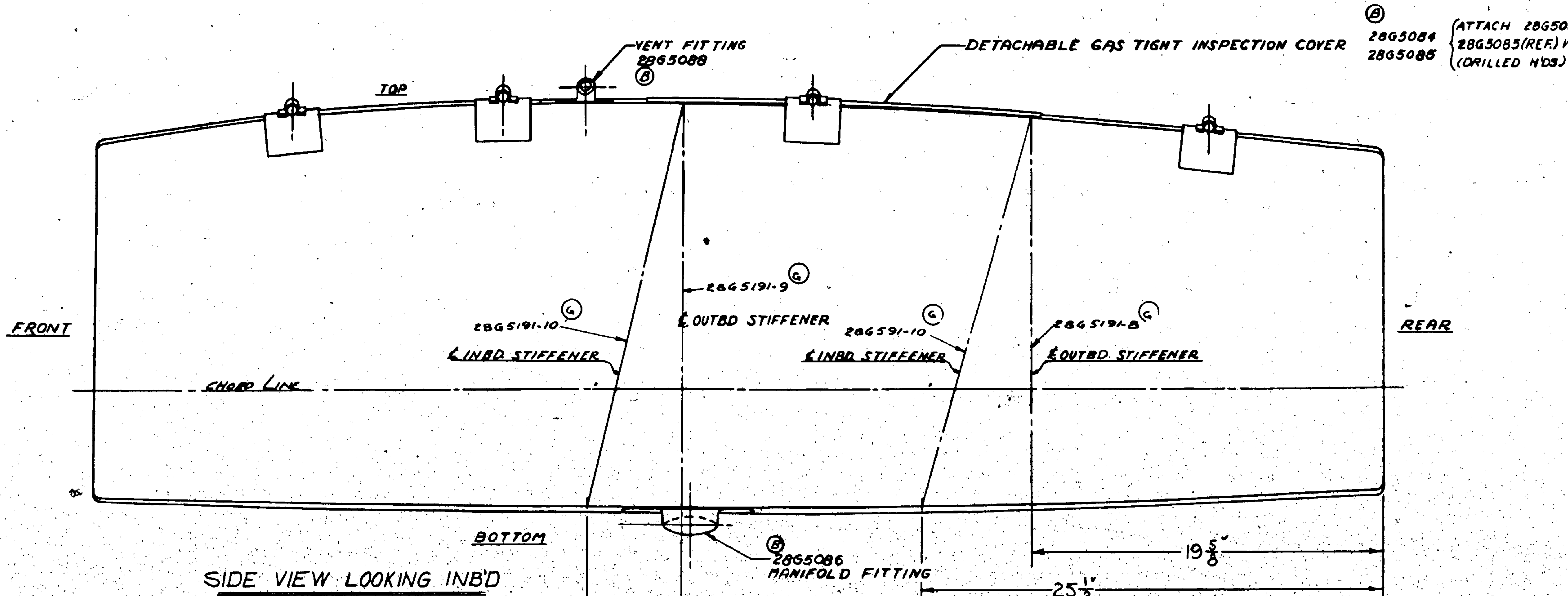
A C		WILLEY					
NAVY		2-28-41				10-8-41	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME FUEL CELL #4 SELF SEALING — WING — CENTER SECTION

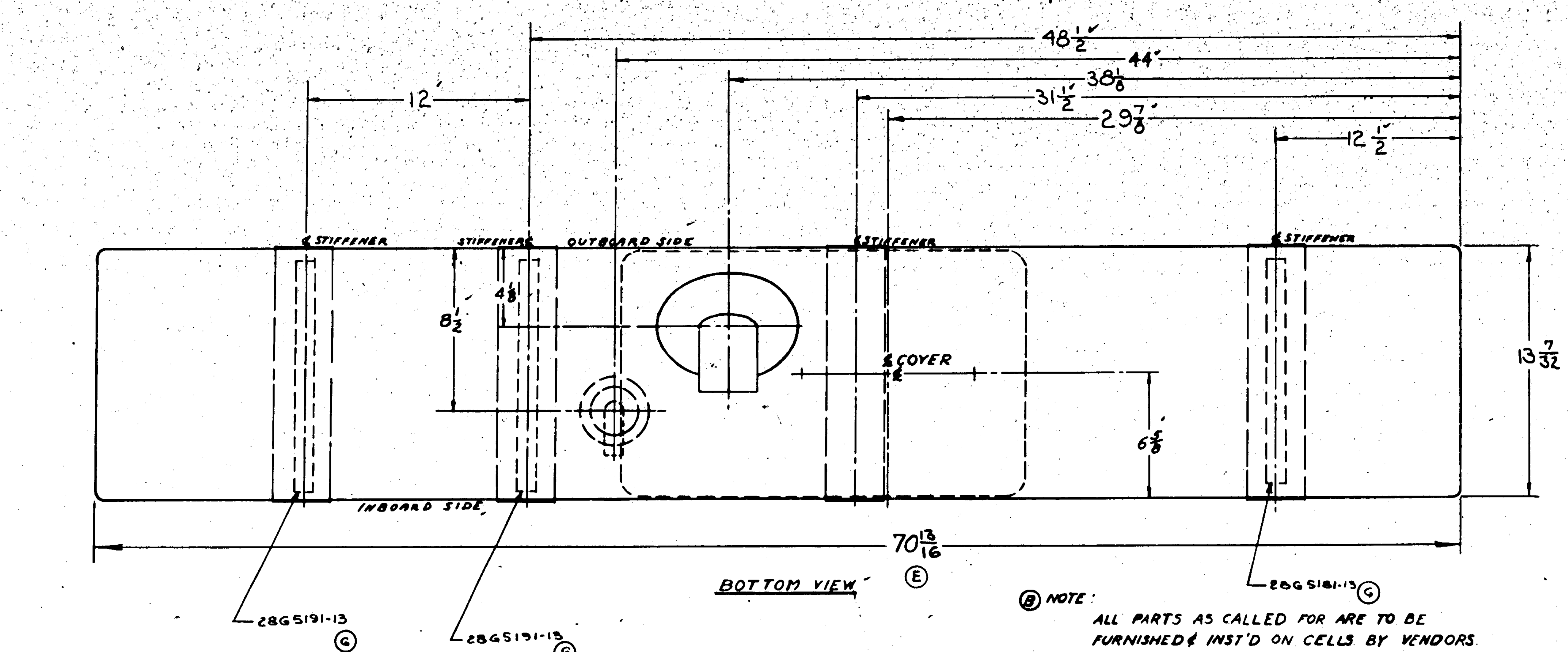
OPP HAND 28G5109-R

DWG SIZE G — 28G5108

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



SIDE VIEW LOOKING INB'D



BOTTOM VIEW (E)

(B) NOTE:
ALL PARTS AS CALLED FOR ARE TO BE FURNISHED & INST'D ON CELLS BY VENDORS. ALL BOLTS TO BE PRIMED BEFORE INST'N. & HEADS REPRIMED AFTER WIRING LOCK WITH SINGLE SAFETY WIRE.

LET	ALTERATION	DATE	BY
G(cont)	REMOVED LATTER PART OF NOTE #6, STARTING WITH "STIFFENERS ON TOP --- ALLOY TUBING." WT. CHG. NEG.	1-26-43	

LET	ALTERATION	DATE	BY
A	CHANGE: 25 WAS 24 5/8, 28 WAS 26.	3-11-41	
B	CHG NOTE #5 SPEC FTL-10 WAS FTL-20. ADDED NOTES: ALL PARTS AS--ETC. & ATTACH 28G5084(REF)--ETC. ADDED PART NOS 28G5084, 28G5085, 28G5086, 28G5088 TO 4m & DW'G. AN3-4A & AN940-316 ADDED	10-1-41	
C	REMOVED DATUM LINE & CHG. SYSTEM OF DIMENSIONING. CHG. TOLERANCES ON OVERALL DIM. TO ±1/8. ADD LENGTH & WIDTH TO FACE OF DWG.	1-16-42	
D	ADDED NOTE #7. NO WT. CHG.	4-29-42	
E	DIM. 70 13/16 WAS 71 3/16. NO WT. CHG.	10-19-42	
F	AN940-416(40) WAS AN940-316 (44) & AN4-4A(40) WAS AN3-4A(44) WT. CHG. NEG.	1-26-43	
G	ADDED 28G5191-10(2); 28G5191-9 (1); 28G5191-8(1) & 28G5191-13(3).		

NOTES:-

*1. TOLERANCES ON COMPLETED CELLS:-

LENGTH	±1/8
WIDTH	±1/8
HEIGHT	±1/8

*2. FOR OUTSIDE CONTOUR DIMENSIONS USE ORDINATE DWG. 28R5070

*4. ALL FITTINGS SHOWN ARE FURNISHED BY VENDOR AND ARE TO BE MOLDED FROM SYNTHETIC RUBBER IMPERVIOUS TO GAS, AND TO BE VULCANIZED TO CELL IN LOCATIONS AS SHOWN.

(B) 5. CONSTRUCTION OF CELLS TO CONFORM WITH GOODYEAR TIRE & RUBBER CO. SPEC FTL-10 AND NAVY SPEC M-475 FOR FUEL CONTAMINATION, FUEL DIFFUSION & WEIGHT INCREASE.

*6. REMOVABLE STIFFENERS TO BE INSTALLED IN LOCATIONS INDICATED ON DRAWING TO PREVENT SAG AND PERMANENT SET OF CELL WALLS UNDER OPERATING CONDITIONS. (G)

(D) *7. ALL GOODYEAR SELF SEALING INSPECTION COVERS WITH 1/4 BOLTS ARE TO BE SECURED WITH PERMATEX #2 PASTE AND A TORQUE OF 65 TO 75 IN. LBS. EFFECTIVE ON PBY-5-C.91876 & PBY-5A-C.88476

PURCHASE TO DWG.

REQUIREMENTS PER AIRPLANE

ASSY DASH No.	MODEL	NEXT ASSY	REQ
-R	28-5AMN	28G5040	1
-L	28-5AMN	28G5040	1
-R	28-5MN	28G5040	1
-L	28-5MN	28G5040	1
-R	PBY-5A	28G5040	1
-L	PBY-5A	28G5040	1
-R	PBY-5	28G5040	1
-L	PBY-5	28G5040	1

REPLACES — CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16 — SCALE 3"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PARTS LIST PER ASSY.

PART No	STOCK	MATERIAL	SPEC	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
28G5191-13				3	3								
28G5191-10				2	2								
28G5191-9				1	1								
28G5191-8				1	1								
AN940-416	WASHERS			40	40								
AN4-4A	BOLTS			40	40								
28G5088	VENT FITTING			1	1								
28G5086	MANIFOLD FITTING			1	1								
28G5085	INSP. DOOR FRAME ASS'Y			1	1								
28G5084	INSP. DOOR			1	1								
-0	SEE NOTE #6			1	1								

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE		9-41					
HEAT TREAT	FINISH						

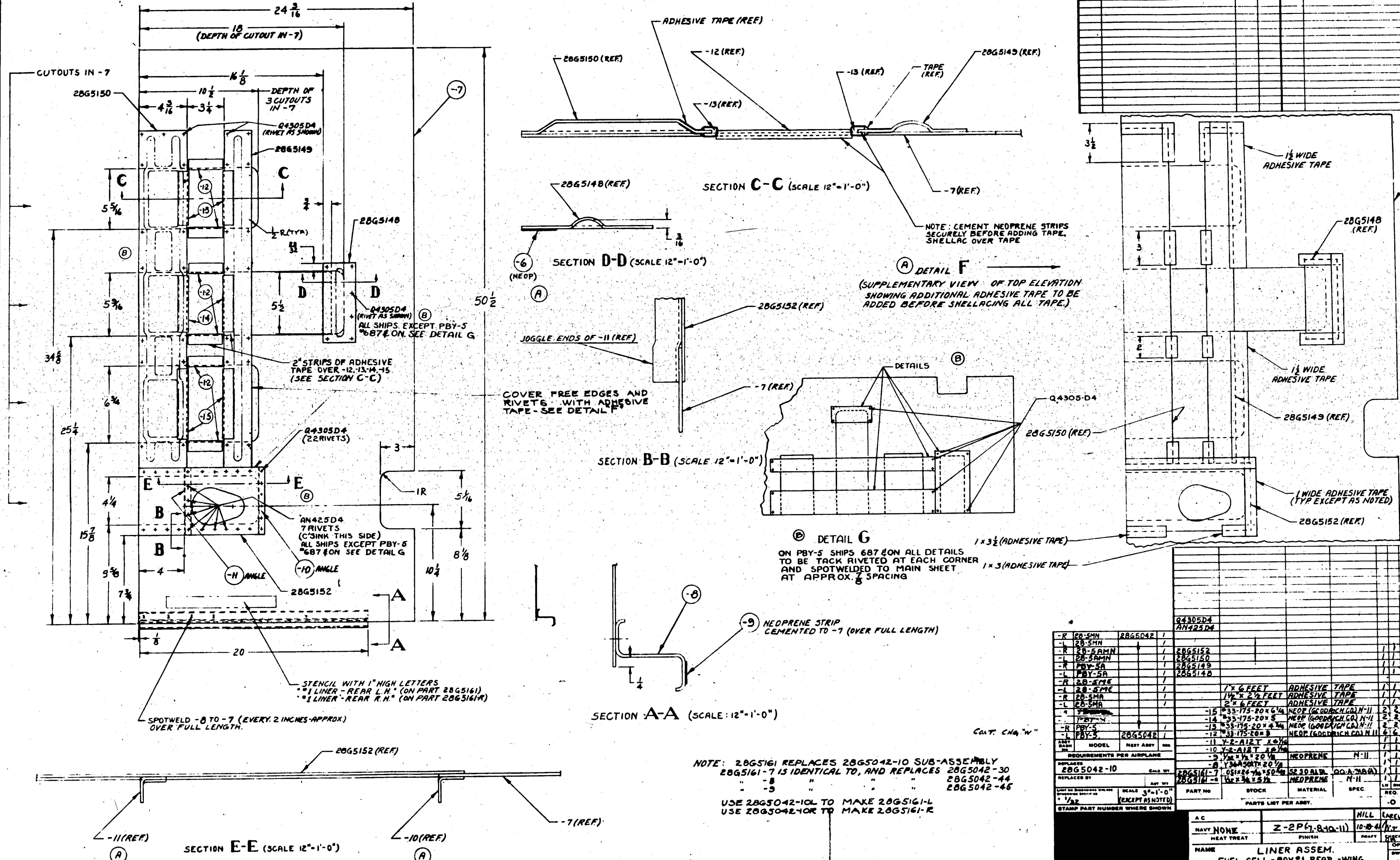
NAME **FUEL CELL #5-SELF SEALING- WING - CENTER SECTION**

OPP HAND 28G5109-R

SIZE G — DWG 28G5109

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	-10 WAS Y-2-A11T; -11 WAS Y-2-AHA	11-7-41	HILL
	ADDED -6 & ADHESIVE TAPE	—	—
B	FOR PBY-5 687 ℄ ON - ADDED DETAIL G & SPOTWELD NOTE	5-2-42	[illegible]
C	IN B/M, FOR -10 & -11, REPLACED "KG-240 x 6 1/16, AL ALLOY, QQ-A-354(T)" WITH "Y-2-A12T x 6 1/16" (WT. CHG. NEG.)	6-6-42	[illegible]



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE: 28G5161 REPLACES 28G5042-10 SUB-ASSEMBLY
28G5161-7 IS IDENTICAL TO, AND REPLACES 28G5042-30
" -8 " " " 28G5042-44
" -9 " " " 28G5042-46

USE 28G5042-10L TO MAKE 28G5161-L
USE 28G5042-10R TO MAKE 28G5161-R

CONT. CHG. "W"

RUSH RELEASED 10-24-41

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-R	28-5MN	28G5042	1
-L	28-5MN		1
-R	28-5AMN		1
-L	28-5AMN		1
-R	PBY-5A		1
-L	PBY-5A		1
-R	28-5ME		1
-L	28-5ME		1
-R	28-5MA		1
-L	28-5MA		1
-R	PBY-5		1
-L	PBY-5	28G5042	1

REQUIREMENTS PER AIRPLANE

REPLACES 28G5042-10 — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 3" = 1'-0" (EXCEPT AS NOTED)
STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC.	REQ. -0 LH	REQ. -0 RH
Q4305D4					
AN425D4					
28G5152				1	1
28G5150				1	1
28G5149				1	1
28G5148				1	1
	1" x 6 FEET	ADHESIVE TAPE		1	1
	1 1/2" x 2 1/2 FEET	ADHESIVE TAPE		1	1
	2" x 6 FEET	ADHESIVE TAPE		1	1
-15	#33-175-20 x 6 1/4	NEOP (GOODRICH CO)	N-11	2	2
-14	#33-175-20 x 5	NEOP (GOODRICH CO)	N-11	2	2
-13	#33-175-20 x 4 3/4	NEOP (GOODRICH CO)	N-11	2	2
-12	#33-175-20 x 3	NEOP (GOODRICH CO)	N-11	6	6
-11	Y-2-A12T x 6 1/16			1	1
-10	Y-2-A12T x 6 1/16			1	1
-9	1/32 x 1/2 x 20 1/8	NEOPRENE	N-11	1	1
-8	Y36A50RT x 20 1/8			1	1
28G5161-7	.051 x 24 3/16 x 50 1/2	52 SO AL'M	QQ-A-318(A)	1	1
28G5161-6	1/32 x 3/4 x 5 1/2	NEOPRENE	N-11	1	1

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

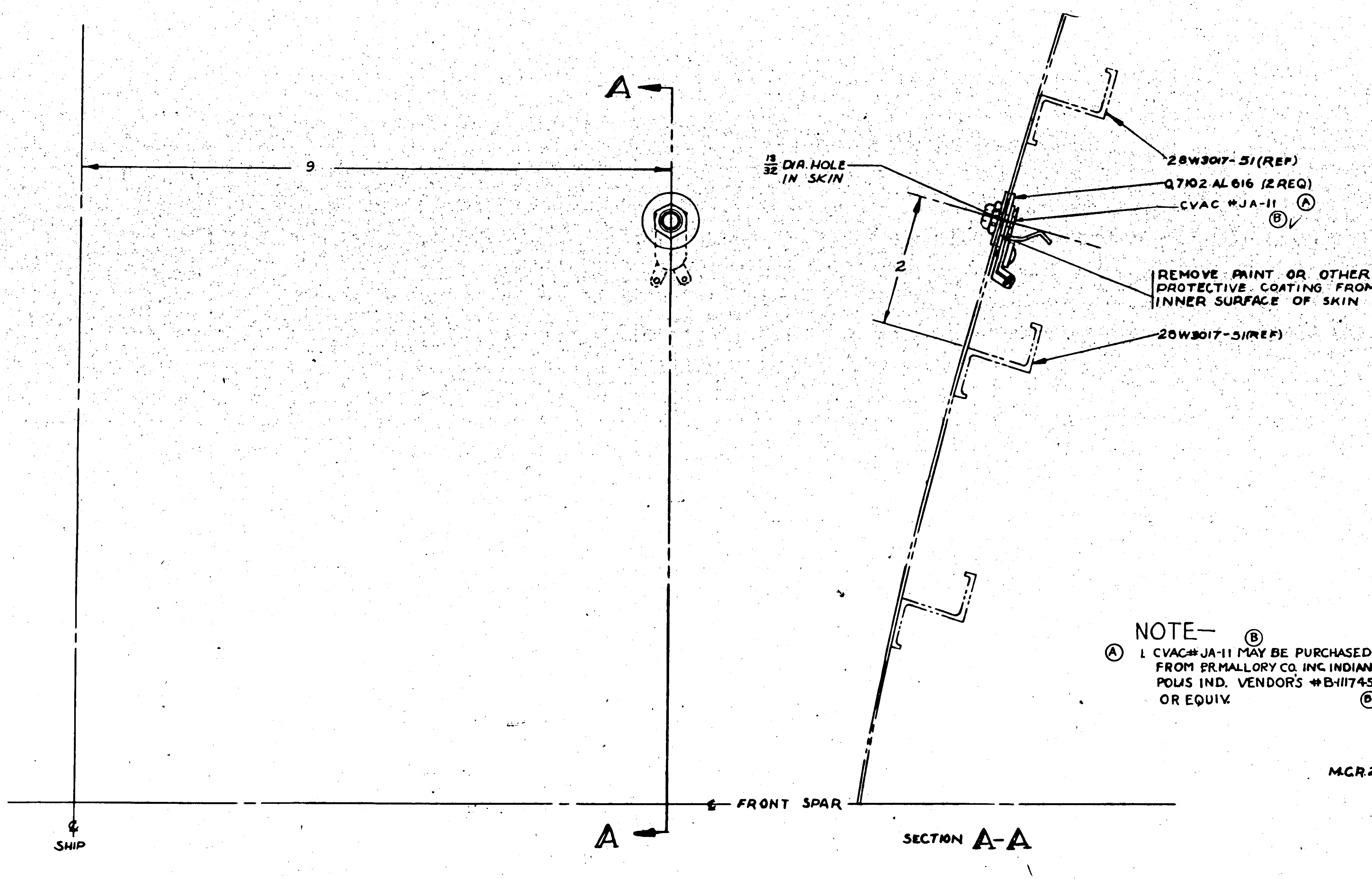
A C
NAVY NONE — HEAT TREAT
Z-2P (7-8-10-11) — FINISH
DRAFT: HILL 10-18-41 — CHECK: CAREL — STRUCT — MAT — APPROV — ENG
OPP. HAND 28G5161-R

NAME: LINER ASSEM. FUEL CELL - BAY #1 REAR - WING

DWG SIZE G — 28G5161

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	CHANGED AND10439(1) TO CVAC #JA-13(1) & ADDED NOTE GIVING VENDOR'S NAME & ADDRESS NO WT. CHANGE	7-13-43	LEESE				
B	IN B/M, NOTE & ON FACE CHANGED CVAC #JA-13 TO #JA-11 IN NOTE CHANGED VENDOR'S #B-111745 TO B-111745X NO WT. CHG.	8-23-43	LEESE				



NOTE— (B)

(A) 1. CVAC #JA-11 MAY BE PURCHASED FROM P.R. MALLORY CO. INC. INDIANAPOLIS IND. VENDOR'S #B-111745X OR EQUIV. (B)

PART No	STOCK	MATERIAL	SPEC	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
(B) CVAC #JA-11	P.R. MALLORY & CO. INC.			1				
Q7102 AL 616				2				

PARTS LIST PER ASSY.

M.C.R. 267

MODEL	NEXT ASSY.	REQ.
PBY-5A	28W3017	1
PBY-5	28W3017	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. .054
REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

AC — NAVY — HEAT TREAT — FINISH

DRAFT 7-17-43 — CHECK 7-20-43 — STRUCT — MAT — APPROV. — ENG

NAME: INSTALL- FUEL NOZZLE GROUNDING RECEPTACLE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

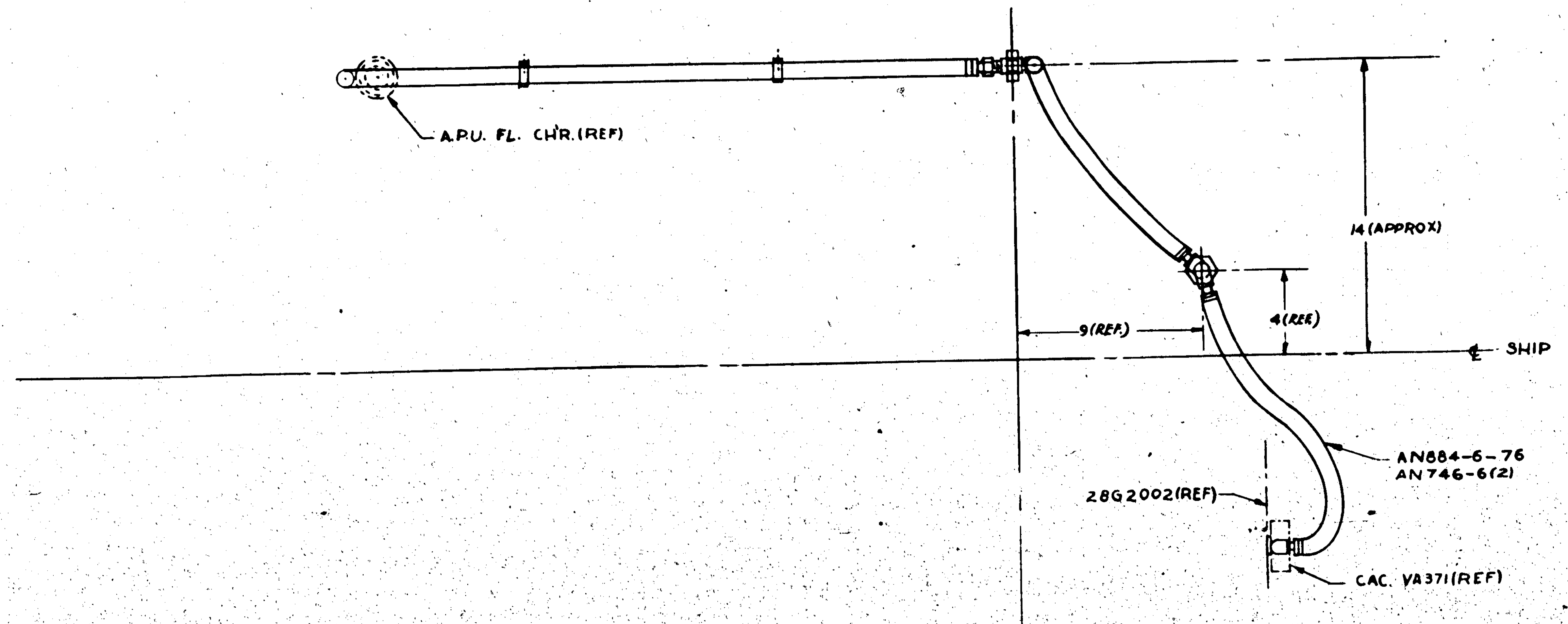
OPP HAND

DWG SIZE G 28G5197

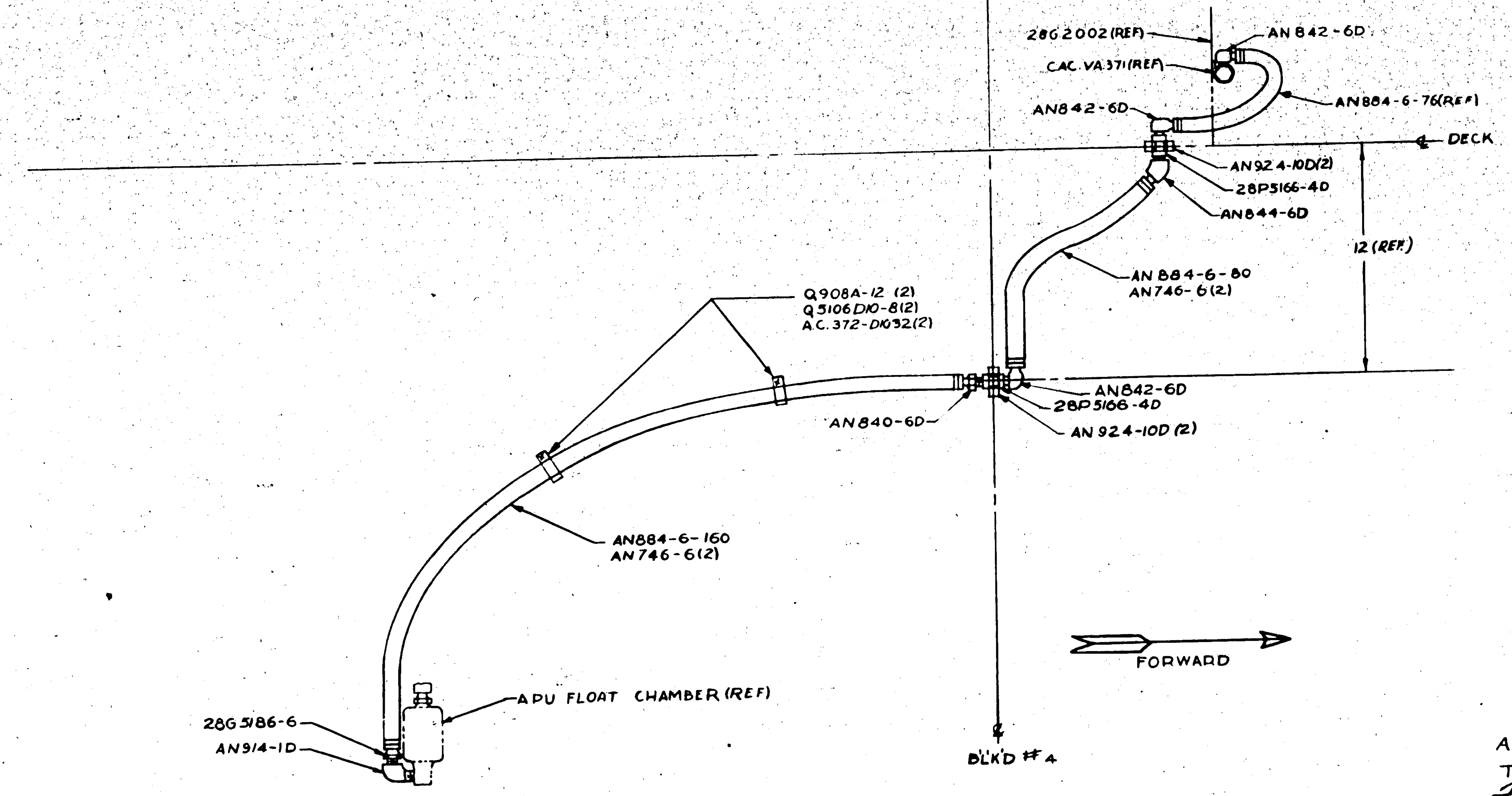
APPROVED FOR TOOLING BY Gorsline 7-21-43

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY



PLAN VIEW



VIEW LOOKING OUTBOARD- PORT SIDE

MCR 190A
NO(2)5464

APPPOVED FOR TOOLING BY
F. Howard
7/14/43

ASSY. DASH NO.	MODEL	NEXT ASSY	REQ.
0	PBY-5A	28G5142	1

REQUIREMENTS PER AIRPLANE

REPLACES — 2.079# CALC. WT.

REPLACED BY — ACT. WT.

SCALE 3" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
Q5106-D10-8				2
Q908A-12				2
AC372-D1032				2
AN924-10D				4
AN914-1D				1
AN884-6-160				1
AN884-6-80				1
AN884-6-76				1
AN844-6D				1
AN842-6D				3
AN840-6D				1
AN746-6				6
28P5166-4D				2
28G5186-6				1

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.
NAVY		7-1-43	7-14-43				
HEAT TREAT	FINISH						

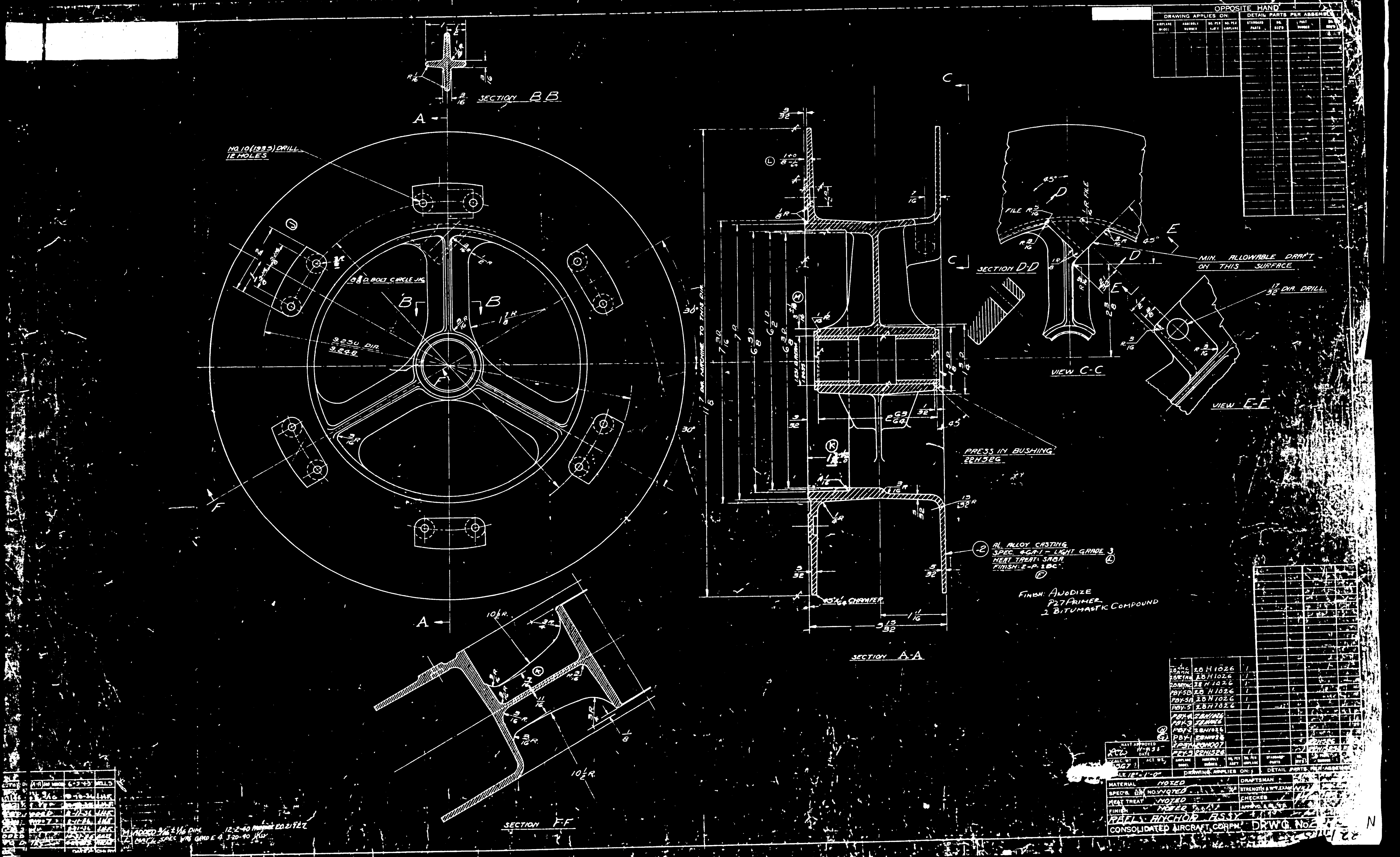
NAME INSTALLATION-AUXILIARY POWER UNIT- FUEL LINES

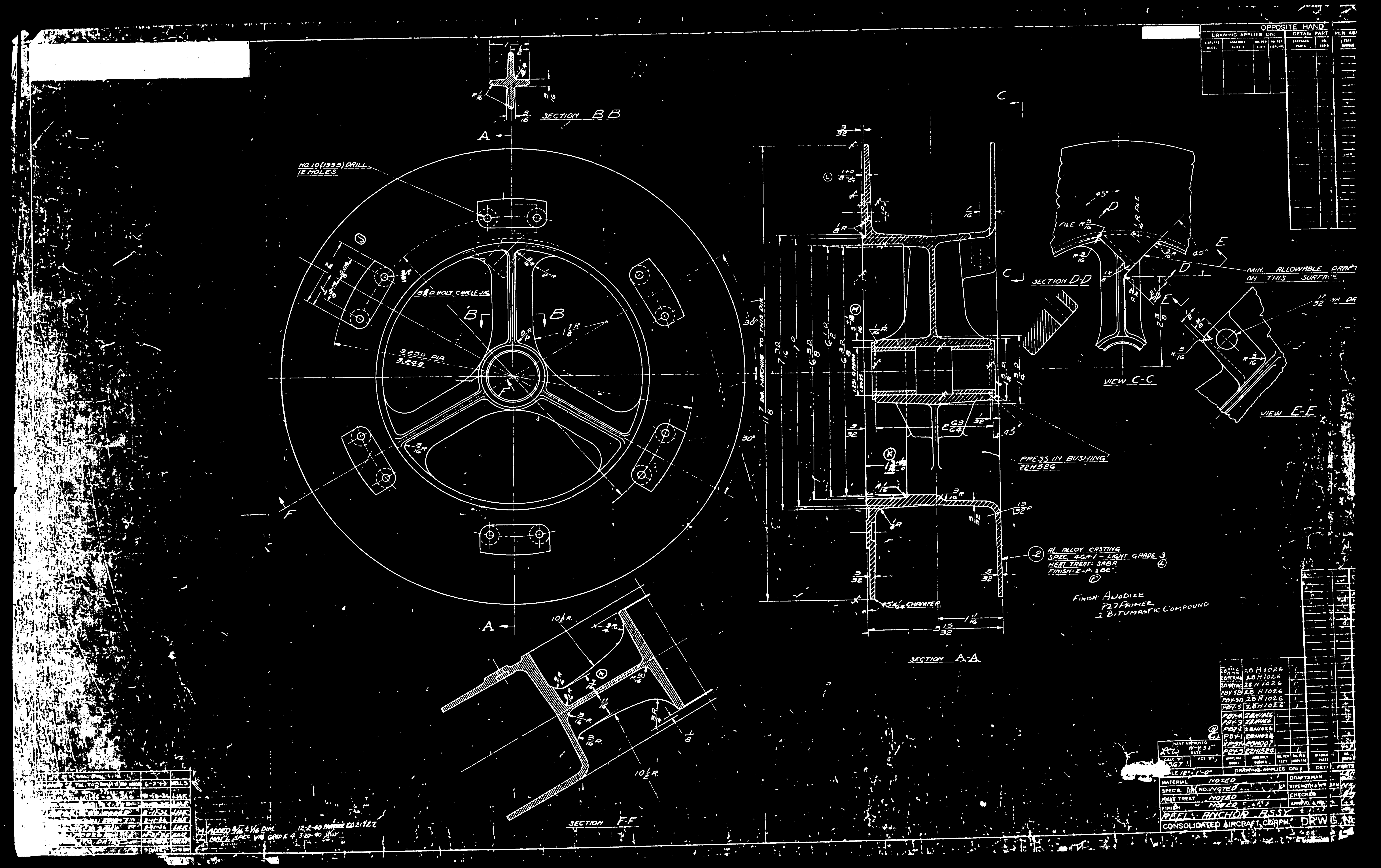
OPP. HAND

DWG. SIZE G 28G5545

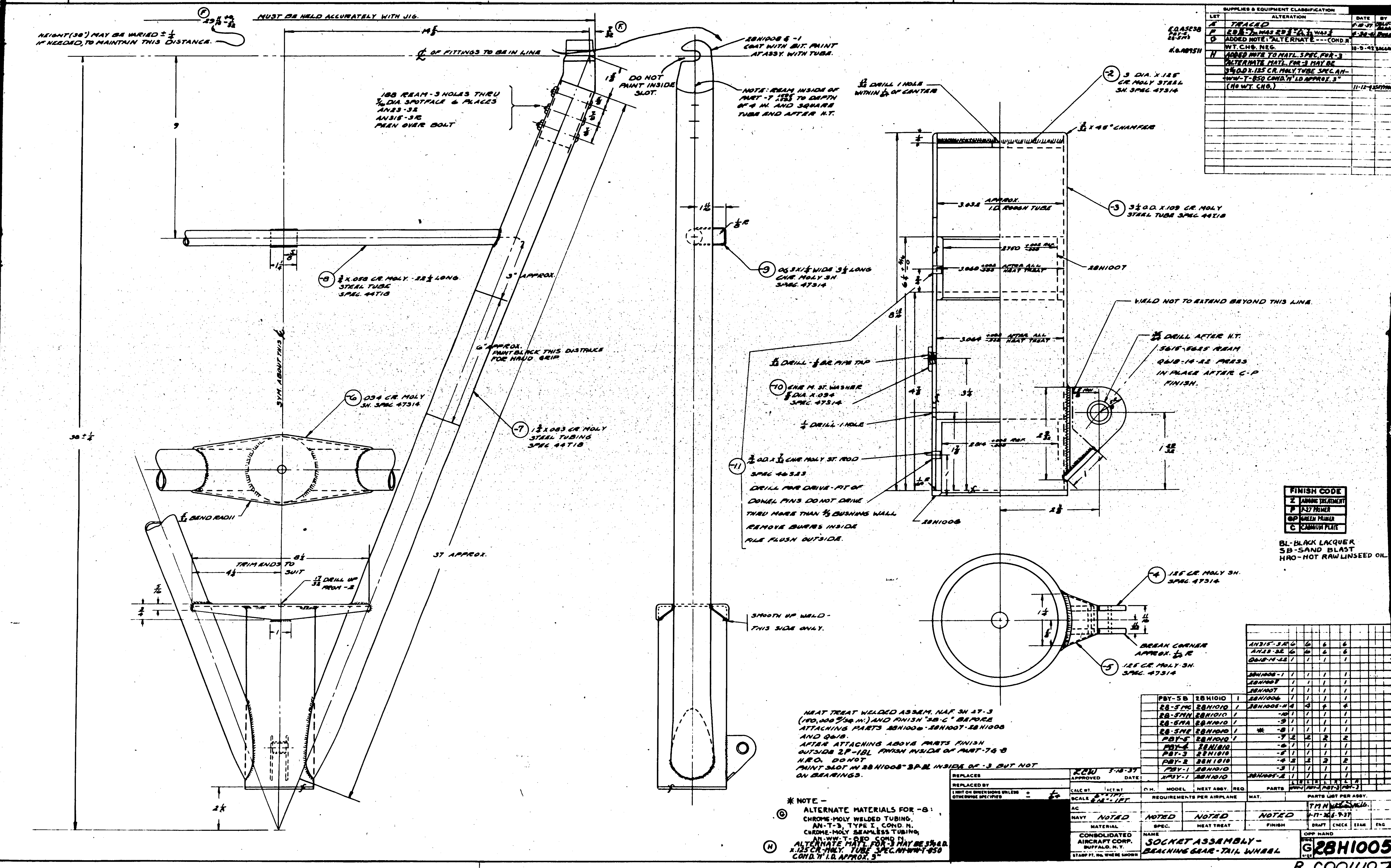
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28G5545


OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PARTS PER ASSEMBLY
SECTION BB
NO. 10 (.1935) DRILL 12 HOLES
9.250 DIA.
9.248
SECTION D-D
VIEW C-C
VIEW E-E
MIN. ALLOWABLE DRAFT ON THIS SURFACE
17/32 DIA. DRILL.
PRESS IN BUSHING 22H526
AL. ALLOY CASTING
SPEC. 46A-1 - LIGHT GRADE 3
HEAT TREAT: SA&A
FINISH: 2-P. 2BC
FINISH: ANODIZE
P27 PRIMER
2 BITUMASTIC COMPOUND
45°×1/16 CHAMFER
SECTION A-A
SECTION F-F
PBY-5B 28H1026
PBY-5A 28H1026
PBY-5 28H1026
PBY-1 28H1026
NAVY APPROVED
SCALE 12" = 1'-0"
MATERIAL NOTED
SPEC'S NO. NOTED
HEAT TREAT NOTED
FINISH NOTED
DRAFTSMAN
STRENGTH & WT. EXAM
CHECKED
REEL ANCHOR ASSY
CONSOLIDATED AIRCRAFT CORPN.
DRW'G. No.



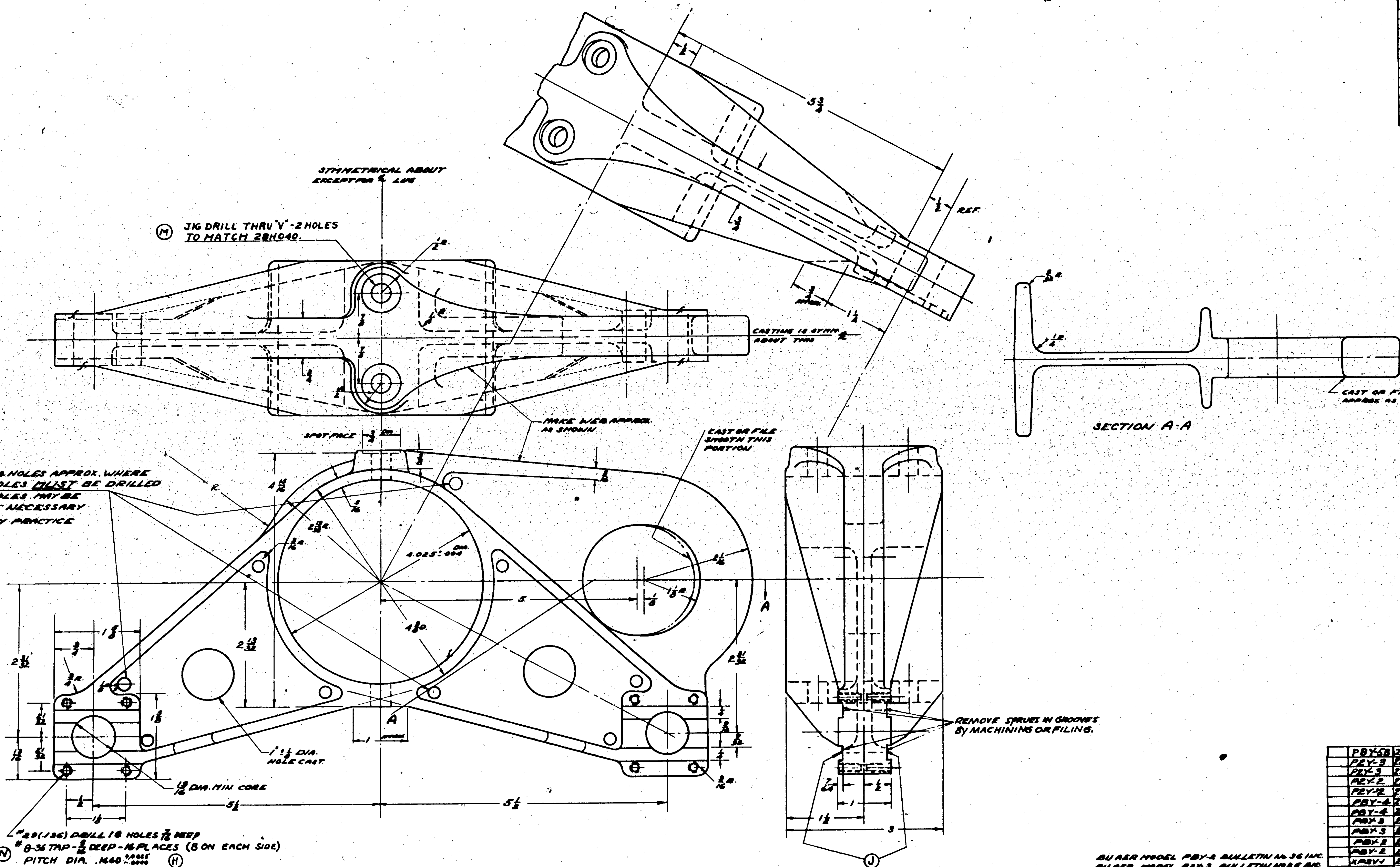
OPPOSITE HAND
DRAWING APPLIES ON:
DETAIL PART
SECTION B-B
NO. 10 (.1935) DRILL 12 HOLES
SECTION D-D
VIEW C-C
VIEW E-E
MIN. ALLOWABLE DRAFT ON THIS SURFACE
PRESS IN BUSHING 22H526
AL. ALLOY CASTING
SPEC. 46A-1 - LIGHT GRADE 3
HEAT TREAT: S&BA
FINISH: Z-P-2BC
FINISH: ANODIZE
P27 PRIMER
2 BITUMASTIC COMPOUND
CHAMFER
SECTION A-A
SECTION F-F
DRAWING APPLIES ON:
MATERIAL NOTED
HEAT TREAT NOTED
FINISH NOTED
DRAFTSMAN
CHECKED
CONSOLIDATED AIRCRAFT CORPN.



MUST BE HELD ACCURATELY WITH JIG.
HEIGHT (38") MAY BE VARIED ± 1/2 IF NEEDED, TO MAINTAIN THIS DISTANCE.
℄ OF FITTINGS TO BE IN LINE
DO NOT PAINT INSIDE SLOT.
28H1008-1 COAT WITH BIT. PAINT AT ASSY. WITH TUBE.
NOTE: REAM INSIDE OF PART -7 TO DEPTH OF 4 IN. AND SQUARE TUBE END AFTER H.T.
188 REAM - 3 HOLES THRU
AN23-32
AN315-3R
PEEN OVER BOLT
3" APPROX.
6" APPROX. PAINT BLACK THIS DISTANCE FOR HAND GRIP
SYM. ABOUT THIS ℄
.034 CR. MOLY SH. SPEC. 47314
1 3/4 X .083 CR. MOLY STEEL TUBING SPEC. 44T18
STEEL TUBE SPEC. 44T18
BEND RADII
TRIM ENDS TO SUIT
37 APPROX.
SMOOTH UP WELD - THIS SIDE ONLY.
.063 X 1/2 WIDE 3 1/4 LONG CHR. MOLY SH. SPEC. 47314
3 DIA. X .125 CR. MOLY STEEL SH. SPEC. 47314
X 45° CHAMFER
3 1/2 O.D. X .109 CR. MOLY STEEL TUBE SPEC. 44T18
I.D. ROUGH TUBE
AFTER ALL HEAT TREAT
28H1007
WELD NOT TO EXTEND BEYOND THIS LINE.
DRILL AFTER H.T.
.5615-.5625 REAM
Q618-14-22 PRESS IN PLACE AFTER C-P FINISH.
DRILL - 1/8 BR. PIPE TAP
CHR. M. ST. WASHER .094 SPEC. 47314
1/4 DRILL - 1 HOLE
CHR. MOLY ST. ROD SPEC. 46323
DRILL FOR DRIVE - FIT OF DOWEL PINS DO NOT DRIVE THRU MORE THAN 2/3 BUSHING WALL
REMOVE BURRS INSIDE FILE FLUSH OUTSIDE.
28H1006
.125 CR. MOLY SH. SPEC. 47314
BREAK CORNER
.125 CR. MOLY SH. SPEC. 47314
HEAT TREAT WELDED ASSEM. NAF. SH 27-3 AND FINISH "SB-C" BEFORE ATTACHING PARTS 28H1006 - 28H1007 - 28H1008 AND Q618.
AFTER ATTACHING ABOVE PARTS FINISH OUTSIDE 2P-1BL FINISH INSIDE OF PART -7 & -8 H.R.O. DO NOT PAINT SLOT IN 28H1008 - 3P-BL INSIDE OF -3 BUT NOT ON BEARINGS.
* NOTE -
ALTERNATE MATERIALS FOR -8:
CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N.
CHROME-MOLY SEAMLESS TUBING, AN-WW-T-850 COND N.
ALTERNATE MAT'L. FOR -3 MAY BE 3 1/4 O.D. X .125 CR-MOLY. TUBE SPEC. AN-WW-T-850 COND. 'N' I.D. APPROX. 3"
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
GP GREEN PRIMER
C CADMIUM PLATE
BL - BLACK LACQUER
SB - SAND BLAST
HRO - HOT RAW LINSEED OIL
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
TRACED
ADDED NOTE: "ALTERNATE --- COND. N." WT. CHG. NEG.
ADDED NOTE TO MATL. SPEC. FOR -3 "ALTERNATE MATL. FOR -3 MAY BE 3 1/4 O.D. X .125 CR. MOLY. TUBE SPEC. AN-WW-T-850 COND. 'N' I.D. APPROX. 3" (NO WT. CHG.)
PBY-5B 28H1010
28-5MC 28H1010
28-5MN 28H1010
28-5MA 28H1010
28-5ME 28H1010
PBY-5 28H1010
PBY-4 28H1010
PBY-3 28H1010
PBY-2 28H1010
PBY-1 28H1010
XPBY-1 28H1010
AN315-3R
AN23-32
Q618-14-22
28H1008
28H1007
28H1006
MODEL | NEXT ASSY. | REQ. | PARTS
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED DATE 5-18-37
CALC WT. ACT. WT.
SCALE 6" = 1 FT.
NAVY NOTED
MATERIAL NOTED
SPEC. NOTED
HEAT TREAT NOTED
FINISH NOTED
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
NAME SOCKET ASSEMBLY - BEACHING GEAR - TAIL WHEEL
G 28H1005

LET	ALTERATION	DATE	BY
F	TRACED	[illegible]	[illegible]
G	ADDED "OVERHAUL" NOTE	[illegible]	[illegible]
H	WAS TAPPED 8 PLACES, 1 SIDE ONLY	5-9-39	[illegible]
J	GROOVES WERE MACHINED ON 1 SIDE	"	"
	NOW CAST ON BOTH SIDES.	"	"
K	REMOVED OVERHAUL NOTE	"	"
L	REMOVED OPP. HAND 28H1050-1	"	"
M	REVISED DRILL NOTE	7-13-39	
N	REVISED DRILL NOTE TO PROVIDE		
	16 HOLES 7/16 DEEP TAPPED 5/16	11/14/39	[illegible]

C.O. 10028



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

BL - BLACK LACQUER

BU AER MODEL PBY-2 BULLETIN No. 36 INC.
BU AER MODEL P2Y-3 BULLETIN No. 26 INC.

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28H3445	2
	P2Y-3	22H773-6	
	P2Y-3	22H773-5	
	P2Y-2	22H773-1	
	P2Y-2	22H773	
	PBY-4	28H3005-1	
	PBY-4	28H3005	
	PBY-3	28H3005-1	
	PBY-3	28H3005	
	PBY-2	28H005-1	
	PBY-2	28H005	
	XPBY-1	28H005-1	
	XPBY-1	28H005	
	PBY-1	28H005-1	
	PBY-1	28H005	

REQUIREMENTS PER AIRPLANE

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±

APPROVED: [illegible] DATE: 5-13-37
CALC. WT. / ACT. WT.
SCALE 12"/1-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY SAND TIGHT CASTING	4616	NONE	C-2P-1BL

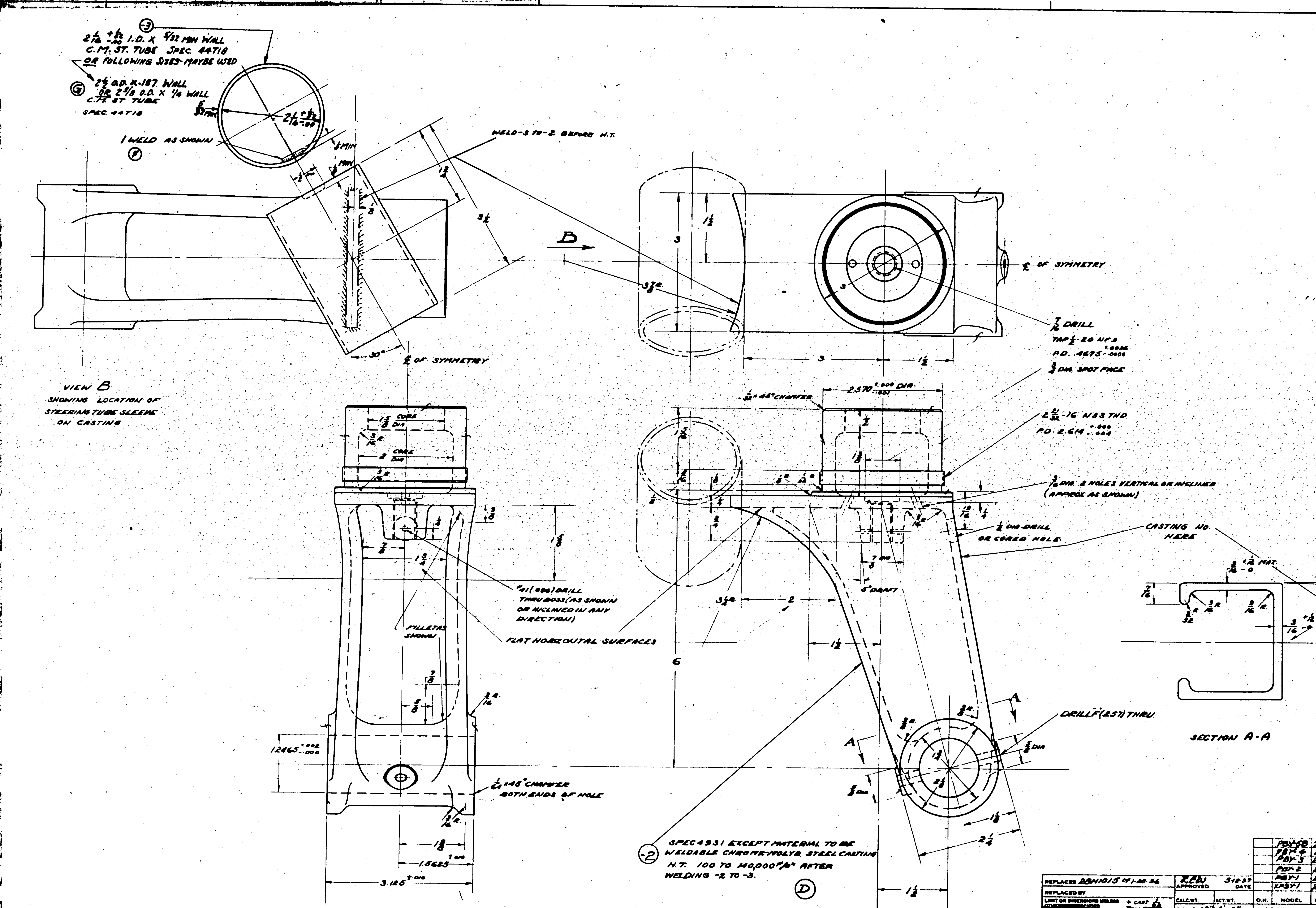
DRAFT: MYN 5-10-37 — CHECK — EXAM. — ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

NAME: RACK-BEACHING GEAR-LOCKING PIN

G 28H1050



SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
C	TRACED	[illegible]	[illegible]
D	ADDED WELDING NOTE	[illegible]	G.R.
E	WAS 2 1/4 O.D. x .083 WALL FOR -3.	[illegible]	G.R.
F	WAS 2 WELDS & WAS 1/8 APR	1-20-38	[illegible]
G	INCORP. C.O. 5951-A	1-20-38	[illegible]
H	WAS C-P-2BBP AS PER C.O. 5951-A	1-20-38	[illegible]

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

BL - BLACK LAQUER
SB - SAND BLAST

MODEL	NEXT ASSY.	REQ.	PART NO.	LH REQ.
PBY-5B	28H1010	1		
PBY-4	28H1010			
PBY-3	28H1010			
PBY-2	28H1010			
PBY-1	28H1010		-3	1
XP3Y-1	28H1010		-2	1

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY.

REPLACES 28H1015 of 1-28-36
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED + CAST 1/32
APPROVED RCW DATE 5-12-37
SCALE 12" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY NOTED	NOTED	NOTED	C-SP-[illegible]

DRAFT: 6-9-36 / 6-10-37

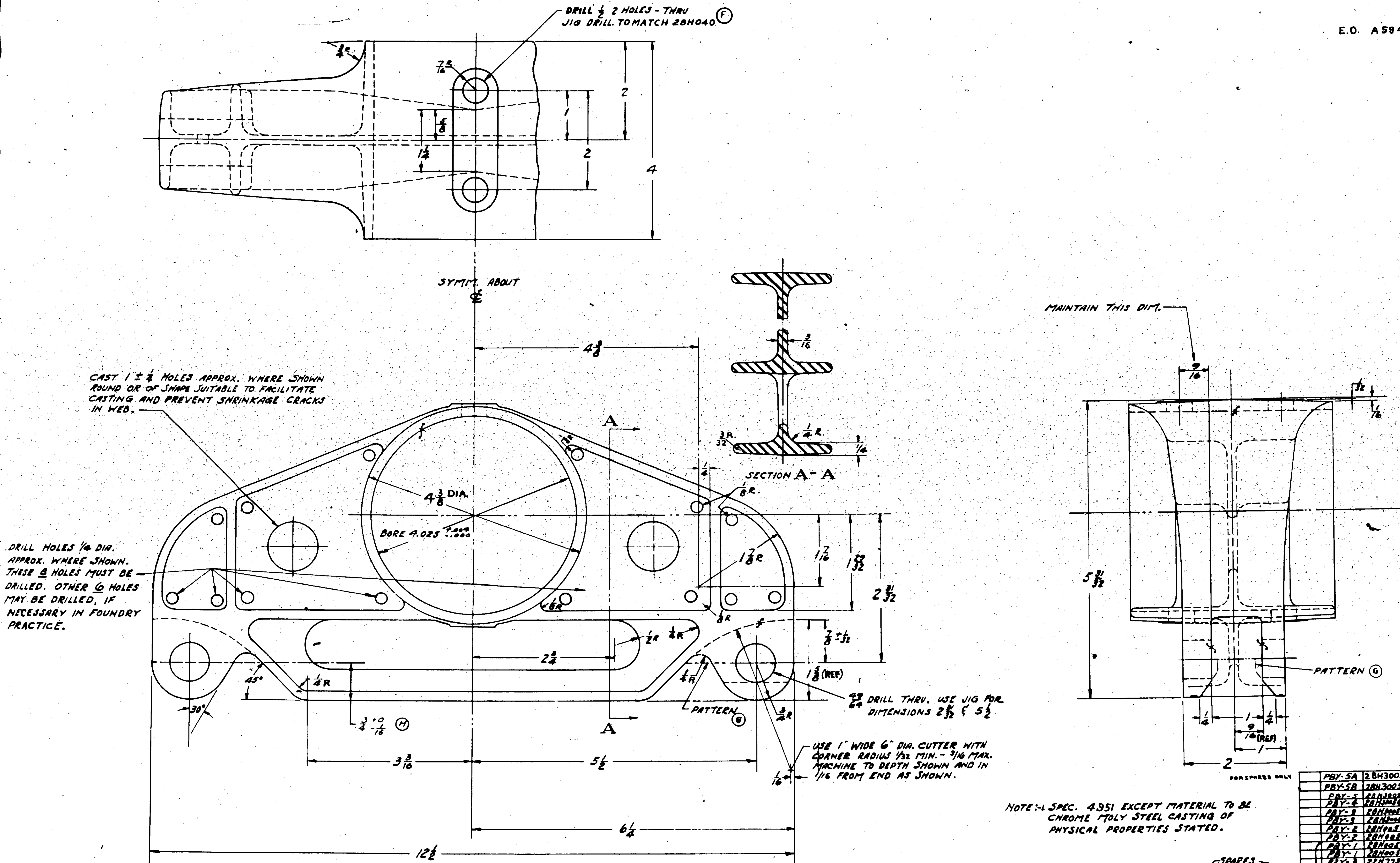
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME SOCKET BEACHING GEAR-TAIL WHEEL AXLE

DWG. SIZE G 28H1057

E.O. A5847 PBY-5

LET	ALTERATION	DATE	BY
E	TRACED UP TO DATE	2-7-38	[illegible]
F	REVISED DRILL NOTE	7-13-39	[illegible]
G	MOVED PATTERN LINE IN BACK OF SLOT ON FUSELAGE BOLT EARS DOWN TO ℄ OF HOLE	4-5-40	[illegible]
H	ADDED DIM. 3/4 -1/16	6-16-41	[illegible]



NOTE:-1 SPEC. 4951 EXCEPT MATERIAL TO BE CHROME MOLY STEEL CASTING OF PHYSICAL PROPERTIES STATED.

PART NO TO BE CAST ON ANY CONVENIENT SURFACE NOT TO BE MACHINED

FINISH CODE	
Z	ANODIC TREATMENT
P	8-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

BL: BLACK LACQUER

O.H.	MODEL	NEXT ASSY.	REQ
	PBY-5A	28H3005	2
	PBY-5B	28H3005	2
	PBY-5	28H3005	2
	PBY-4	28H3005-1	
	PBY-3	28H3005-1	
	PBY-3	28H3005	
	PBY-2	28H005-1	
	PBY-2	28H005	
	PBY-1	28H005-1	
	PBY-1	28H005	
	P2Y-3	22H773-1	
	P2Y-3	22H773	
	P2Y-2	22H773-1	
	P2Y-2	22H773	
	XPBY-1		

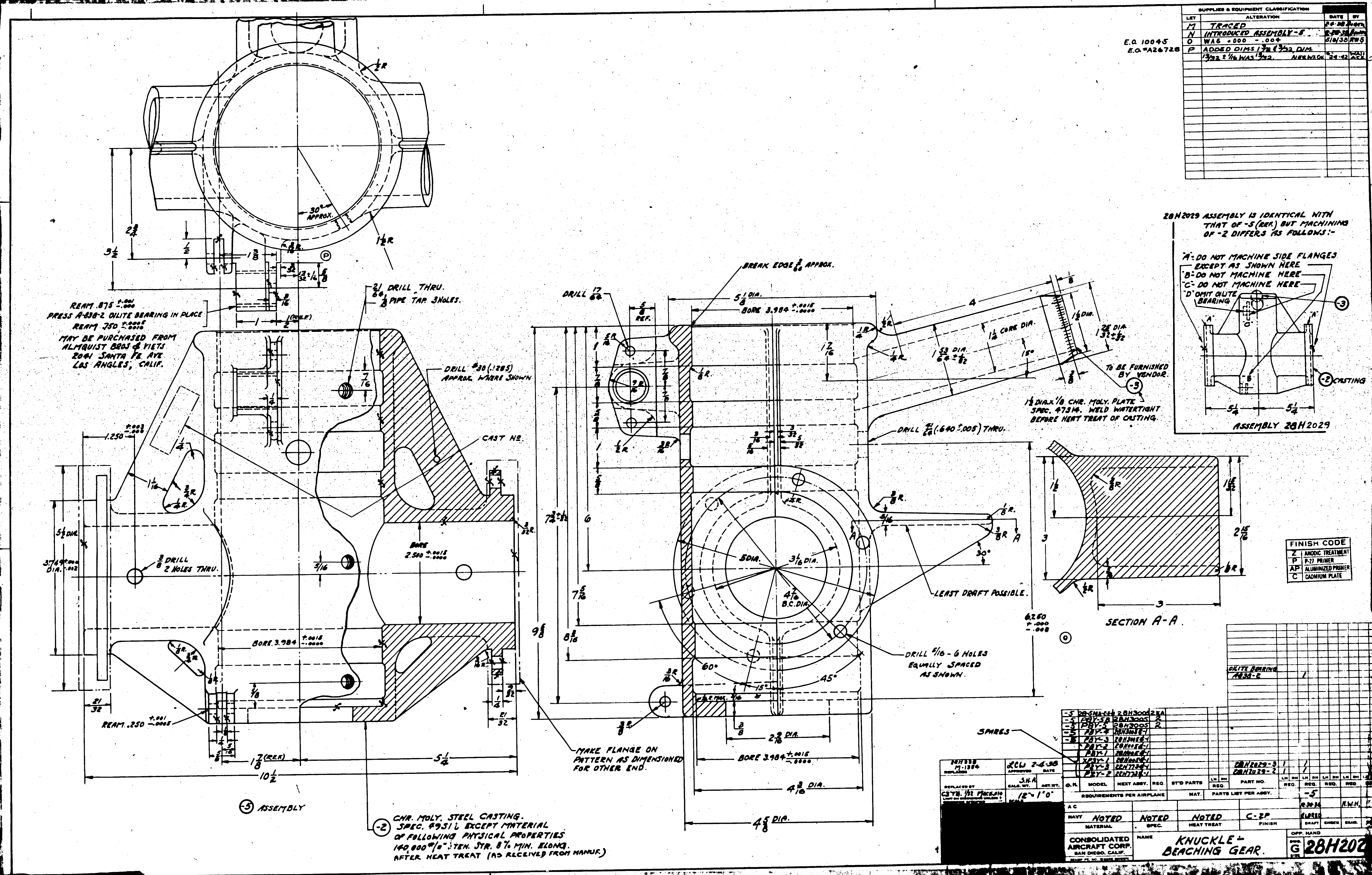
SPARES

REQUIREMENTS PER AIRPLANE

REPLACES	22H301 22H015
APPROVED	XCW
DATE	10-28-36
REPLACED BY	
CALC. WT.	
ACT. WT.	
	MACH. FROM CAST. 1/32 LIMITS ON DIMENSIONS ± UNLESS OTHERWISE SPECIFIED
SCALE	12" = 1'-0"
MATERIAL	NAVY CHR. MOLY STEEL CASTING
SPEC.	NOTED
HEAT TREAT	100,000 #/□" TENS. 8 % MINIMUM
FINISH	C-2P-1BL
DRAFT	ELDRED 9-10-36
CHECK	MILLER
NAME	BRACKET -BEACHING GEAR
DWG SIZE	G
NO.	28H2013

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

R 28H2013



SUPPLIES & EQUIPMENT CLASSIFICATION
M TRACED
N INTRODUCED ASSEMBLY -5
O WAS +.000 -.004
P ADDED DIMS
E.O. 10045
E.O. #A26728
28H2029 ASSEMBLY IS IDENTICAL WITH THAT OF -5 (REF.) BUT MACHINING OF -2 DIFFERS AS FOLLOWS:-
"A"- DO NOT MACHINE SIDE FLANGES EXCEPT AS SHOWN HERE
"B"- DO NOT MACHINE HERE
"C"- DO NOT MACHINE HERE
"D" OMIT OILITE BEARING
CASTING
ASSEMBLY 28H2029
REAM .875
PRESS A-838-2 OILITE BEARING IN PLACE
REAM .750
MAY BE PURCHASED FROM ALMQUIST BROS & VIETS 2041 SANTA FE AVE LOS ANGELES, CALIF.
DRILL #30 (.1285) APPROX. WHERE SHOWN
CAST NO.
BREAK EDGE APPROX.
BORE 3.984
DRILL 41/64 (.640 ±.005) THRU.
TO BE FURNISHED BY VENDOR.
CHR. MOLY. PLATE SPEC. 47314. WELD WATERTIGHT BEFORE HEAT TREAT OF CASTING.
LEAST DRAFT POSSIBLE.
DRILL 5/16 - 6 HOLES EQUALLY SPACED AS SHOWN.
SECTION A-A
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
MAKE FLANGE ON PATTERN AS DIMENSIONED FOR OTHER END.
SPARES
-5 ASSEMBLY
-2 CHR. MOLY. STEEL CASTING. SPEC. 49316 EXCEPT MATERIAL OF FOLLOWING PHYSICAL PROPERTIES 140,000 #/□" TEN. STR. 8% MIN. ELONG. AFTER HEAT TREAT (AS RECEIVED FROM MANUF.)
OILITE BEARING A838-2
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
NAVY NOTED NOTED NOTED C-2P
MATERIAL SPEC. HEAT TREAT FINISH
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
KNUCKLE - BEACHING GEAR.
12" = 1'0"
28H2029

INCORPORATES

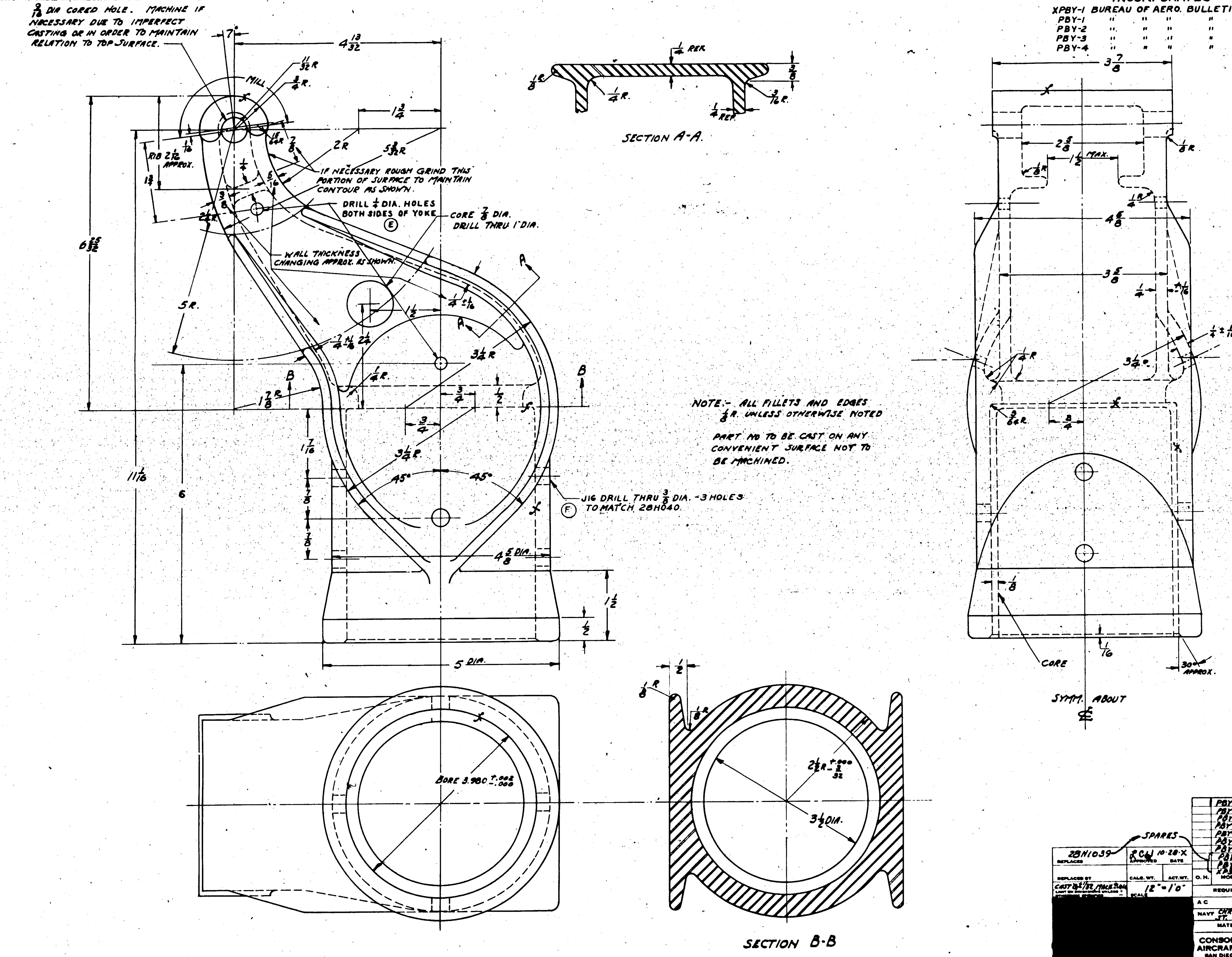
XPBY-1 BUREAU OF AERO. BULLETIN NO. 7

PBY-1	"	"	"	"	" 45
PBY-2	"	"	"	"	" 33
PBY-3	"	"	"	"	" 31
PBY-4	"	"	"	"	" 12

C.O. 8013

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
D	TRACED	2-2-38	[illegible]
E	ADDED 4-[illegible] DIA. DRAIN HOLES	6-19-39	[illegible]
F	ADDED 3-[illegible] DIA. HOLES & DRILL	7-14-39	
	NOTE.		



NOTE:- SPEC. 4951 EXCEPT MATERIAL TO BE CHROME-MOLY. STEEL CASTING OF PHYSICAL PROPERTIES STATED.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

BL- BLACK LACQUER

MODEL	NEXT ASSY.	REQ.
PBY-5B	28H3005	2
PBY-4	28H3005-1	
PBY-4	28H3005	
PBY-3	28H3005-1	
PBY-3	28H3005	
PBY-2	28H005-1	
PBY-2	28H005	
PBY-1	28H005-1	
PBY-1	28H005	
XPBY-1		

REQUIREMENTS PER AIRPLANE

SPARES

REPLACES: 28H1039 — APPROVED: RCJ — DATE: 10-28-X

CAST [illegible] MACH. [illegible] — SCALE: 12" = 1'0"

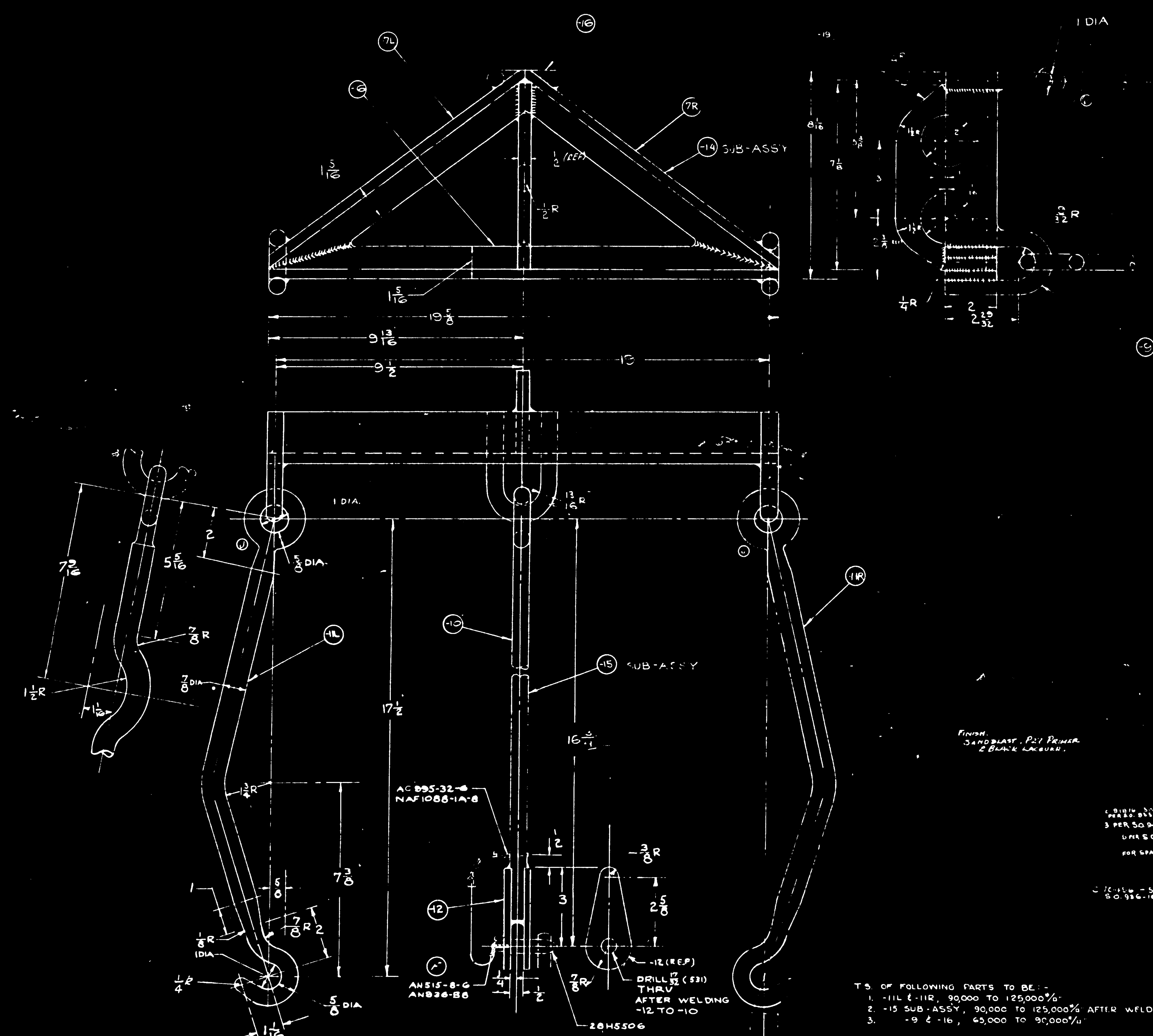
AC — NAVY — MATERIAL: CHR. MOLY ST. CAST'G. — SPEC.: NOTED — HEAT TREAT: [illegible] 000#/□" TENS 8% MINIMUM — FINISH: C-ZP-1BL

9-11-36 — DRAFT: [illegible] — MILLER

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: YOKE BEACHING GEAR

DWG. SIZE G — 28H2039



T.S. OF FOLLOWING PARTS TO BE:-
1. -11L & -11R, 90,000 TO 125,000#/□"
2. -15 SUB-ASSY, 90,000 TO 125,000#/□" AFTER WELDING
3. -9 & -16, 65,000 TO 90,000#/□"

LET.	ALTERATION	DATE	BY
	AN-QQ-S-684. ON FACE REPLACED ... HEAT TREAT -10, -11L, & -11R TO 90,000#/□" IN MAGNAFLUX WITH T.S. OF FOLLOWING PARTS TO BE 1. -11L & -11R, 90,000 TO 125,000#/□" 2. -15 SUB-ASSY, 125,000#/□" AFTER WELDING. 3. -9 & -16, 60,000 TO 90,000#/□" NO WT CHG	6-15-43	KNIGHT
D	REVISED & REDRAWN		
E	-16 & -9 REMOVED FROM -14 SUB ASSY & ADDED TO MAIN BODY OF B/M		
F	AN515-8-6 WAS AN518-8-6 IN B/M & FACE		
G	INCORP. & REVISED BY KAREL 4/17/41	7-10-41	
H	INCORP & REVISED BY KAREL ON ... MADE ... HOOK & EYE -11, 1 CMP FORGING		
K	ADDED ... AN-QQ-S-684 ...		
L	IN B.M. STOCK LGTH -6, 19 3/4 WAS 19, -7L & -7R, 12 7/8 WAS 12. NO WT CHG.	8-28	
M	IN B.M. ON -14 SUB-ASSY REPLACED -8 1/2 x 3 3/8 x 8 1/4, ST'L BAR, 46S23 WITH 1/2 x 3 3/8 x 8 1/4, STL BAR, AN-QQ-S-752 ON FACE REPLACED -8 WITH -19. (E.R. #E 36782) WT. CHG +.27#	6-15-4?	KNIGHT
N	IN B.M. FOR -9, 10, -12 & -16 REPLACED SPEC. "46S23" WITH		

	PART NO.	STOCK	MATERIAL	SPEC.	REQ.
	-12	1/4 X 1 3/4 X 4 1/8	ST'L BAR	AN-QQ-S-684	2
	28H5505-10	5/8 DIA X 17	ST'L ROD	AN-QQ-S-684	1
		PARTS ON -15 SUB-ASSY			
	-19	1/2 X 3 3/8 X 8 1/4	ST'L BAR	AN-QQ-S-752	1
	-7R	3/8 X 2 X 2 X 12 7/8	STL ANGLE	46-S-22	1
	-7L	3/8 X 2 X 2 X 12 7/8	STL ANGLE	46-S-22	1
	28H5505-6	3/8 X 2 X 2 X 19 3/4	STL ANGLE	46-S-22	1
		PARTS ON -14 SUB-ASSY			
	AN515-8-6				1
	AN936-B8				1
	AC995-32-6				1
	NAF1088-1A-8				1
	28H5506				1
	28H5505-16	5/8 DIA X 8 1/4	STL ROD	AN-QQ-S-684	1
	28H5505-9	5/8 DIA X 8 7/8	ST'L ROD	AN-QQ-S-684	2
	28H5505-15	SUB-ASS'Y			1
	28H5505-14	SUB-ASS'Y			1
	28H5505-11R	FORGING	C.M. ST'L	X4130	1
	28H5505-11L	FORGING	C.M. ST'L	AN-QQ-S-684	1

PARTS LIST PER ASSY

C 91816 - 300 SHIPS PER S.O. 955-20
3 PER S.O. 943-458
6 PER S.O. 943-19
FOR SPARES ONLY
C 76-456 - 50 SHIPS S.O. 936-16

DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5	28H5504	
	28-5AMN	28H5504	
	28-5MN	28H5504	
	PBY-5B	28H5504	1
	PBY-5A	28H5504	
	28-5AMC	28H5504	1
	28-5MC	28H5504	1
	28-5MA	28H5504	1
	PBY-5	28H5504	1
	28-5ME	28H5504	1

REQUIREMENTS PER AIRPLANE

28H5505 3-20-40

± 1/16 SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

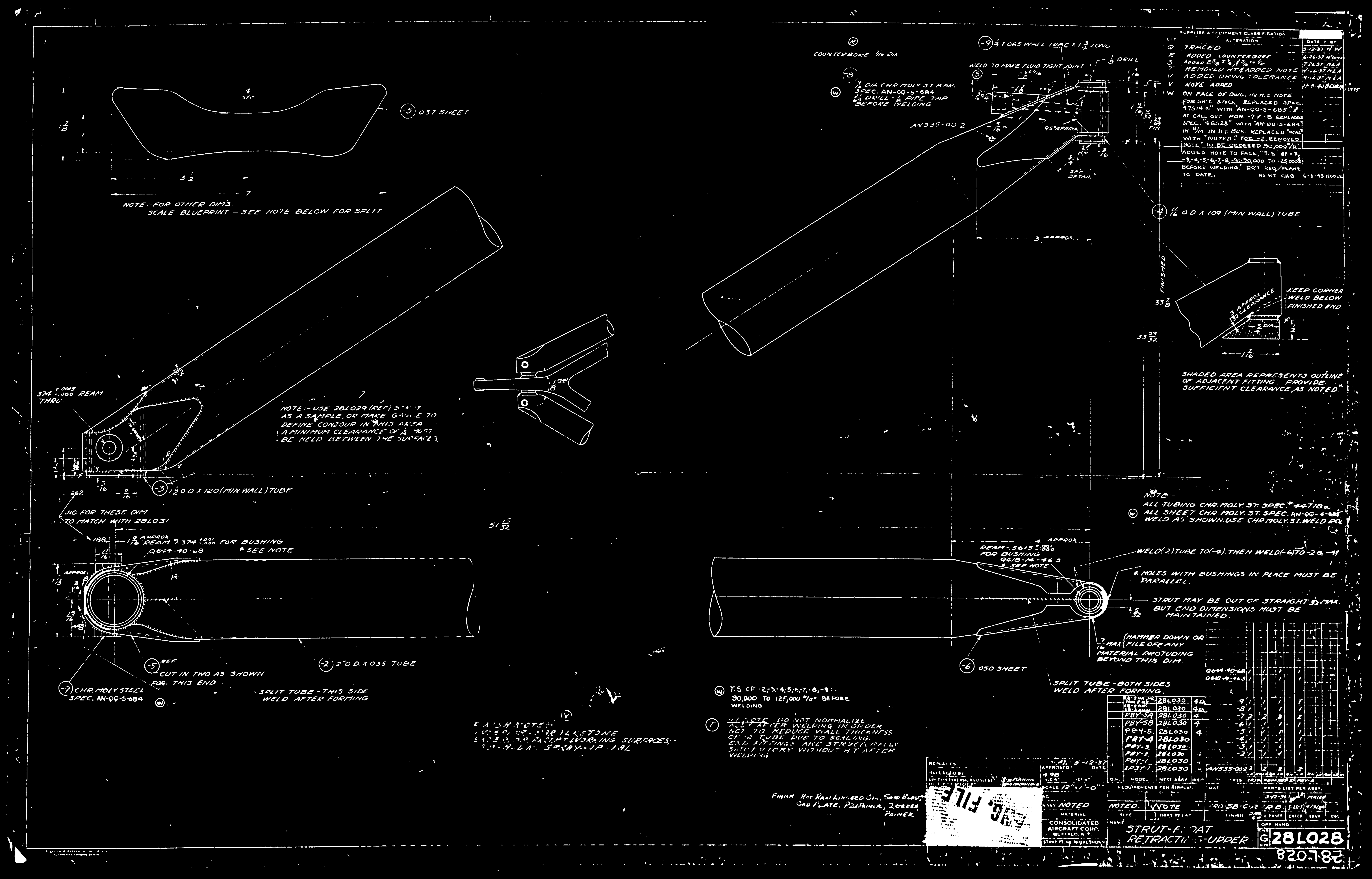
ENG. FILE

HEAT TREAT: NOTED
FINISH: SANDBLAST-P-2 RL
4-17-41 KAREL F.K.

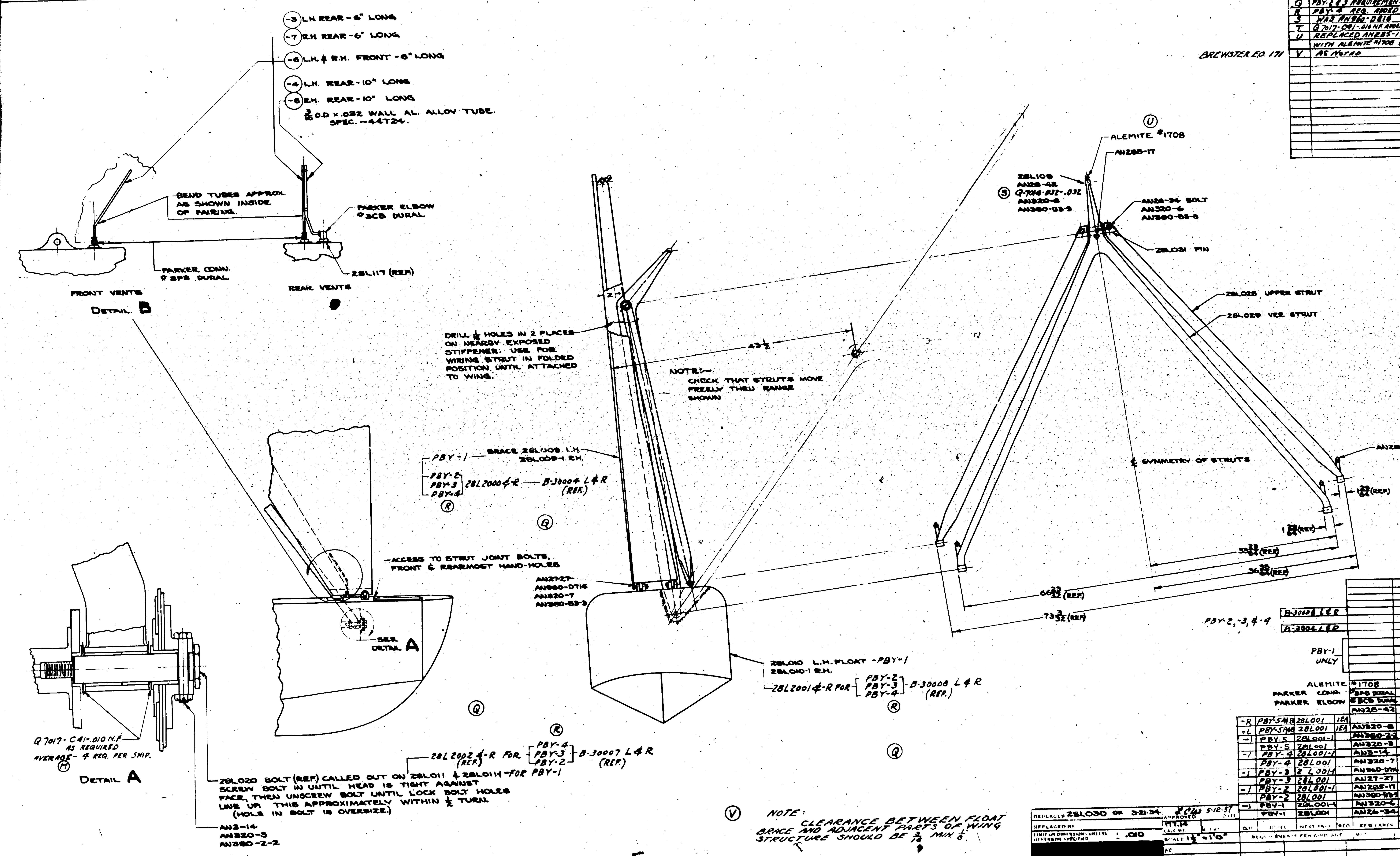
NAME: H[illegible]OKS- PORTABLE [illegible]NG HOIST

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

G 28H5505



SUPPLIES & EQUIPMENT CLASSIFICATION
ALTERATION
Q TRACED
R ADDED COUNTERBORE
T REMOVED H.T. & ADDED NOTE
U ADDED DWG. TOLERANCE
V NOTE ADDED
W ON FACE OF DWG. IN H.T. NOTE FOR SH'T. STOCK REPLACED SPEC. 47S14 a WITH AN-QQ-S-685 a AT CALL OUT FOR -7 & -8 REPLACED SPEC. 46S23 WITH AN-QQ-S-684 IN M/M IN H.T. BLK. REPLACED "NONE" WITH "NOTED". FOR -2 REMOVED NOTE "TO BE ORDERED 90,000 #/□" ADDED NOTE TO FACE, "T.S. OF -2, -3, -4, -5, -6, -7, -8, -9: 90,000 TO 125,000 # BEFORE WELDING" BR'T REQ./PLANE TO DATE.
-5 .037 SHEET
NOTE:- FOR OTHER DIM'S SCALE BLUEPRINT - SEE NOTE BELOW FOR SPLIT
COUNTERBORE 7/16 DIA
-9 1/4 x .065 WALL TUBE x 1 3/4 LONG
WELD TO MAKE FLUID TIGHT JOINT
1/8 DRILL
-8 1/2 DIA CHR MOLY ST BAR. SPEC. AN-QQ-S-684 DRILL - 1/8 PIPE TAP BEFORE WELDING
AN535-00-2
95° APPROX
SEE DETAIL
-4 1 1/16 O.D. x .109 (MIN WALL) TUBE
3 APPROX
FINISHED
KEEP CORNER WELD BELOW FINISHED END.
SHADED AREA REPRESENTS OUTLINE OF ADJACENT FITTING. PROVIDE SUFFICIENT CLEARANCE, AS NOTED.
.374 REAM THRU
NOTE:- USE 28L029 (REF) STRUT AS A SAMPLE, OR MAKE GAGE TO DEFINE CONTOUR IN THIS AREA. A MINIMUM CLEARANCE OF 1/8 MUST BE HELD BETWEEN THE SURFACES.
-3 1 1/2 O.D. x .120 (MIN WALL) TUBE
JIG FOR THESE DIM. TO MATCH WITH 28L031
51 15/32
REAM .374 FOR BUSHING Q644-40-68 * SEE NOTE
NOTE -
ALL TUBING CHR. MOLY ST. SPEC. 44T18a
ALL SHEET CHR. MOLY ST. SPEC. AN-QQ-S-685
WELD AS SHOWN. USE CHR. MOLY. ST. WELD ROD
REAM .5615 FOR BUSHING Q618-14-46.5 * SEE NOTE
4 APPROX
WELD (-2) TUBE TO (-4). THEN WELD (-6) TO -2 & -4
* HOLES WITH BUSHINGS IN PLACE MUST BE PARALLEL.
STRUT MAY BE OUT OF STRAIGHT 1/32 MAX. BUT END DIMENSIONS MUST BE MAINTAINED.
-2 2" O.D. x .035 TUBE
-5 REF CUT IN TWO AS SHOWN FOR THIS END
-7 CHR. MOLY STEEL SPEC. AN-QQ-S-684
SPLIT TUBE - THIS SIDE WELD AFTER FORMING
-6 .050 SHEET
7/16 MAX. (HAMMER DOWN OR FILE OFF ANY MATERIAL PROTRUDING BEYOND THIS DIM.
SPLIT TUBE - BOTH SIDES WELD AFTER FORMING.
T.S. OF -2, -3, -4, -5, -6, -7, -8, -9: 90,000 TO 125,000 #/□" BEFORE WELDING
H.T. NOTE: DO NOT NORMALIZE AFTER WELDING IN ORDER NOT TO REDUCE WALL THICKNESS OF -2 TUBE DUE TO SCALING. END FITTINGS ARE STRUCTURALLY SATISFACTORY WITHOUT H.T. AFTER WELDING
FINISH NOTES
FINISH: HOT RAW LINSEED OIL, SAND BLAST, CAD PLATE, PRIMER, 2 GREEN PAINT
PBY-3A 28L030
PBY-3B 28L030
PBY-5 28L030
PBY-4 28L030
PBY-3 28L030
PBY-2 28L030
PBY-1 28L030
XP3Y-1 28L030
AN535-00-2
Q644-40-68
Q618-14-46.5
SCALE 1/2" = 1'-0"
NOTED
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
STRUT-FLOAT RETRACTING-UPPER
28L028



LET	ALTERATION	DATE	BY
	SUPPLIED & EQUIPMENT CLASSIFICATION		
F	TRACED	5-12-37	D.M.T.
Q	PBY-2 & 3 REQUIREMENTS ADDED	8-13-37	[illegible]
R	PBY-4 REQ. ADDED	1-12-38	[illegible]
S	WAS AN960-D816	1-12-38	[illegible]
T	Q7017-C41-.010 N.F. ADDED. C.O. 5922 A.	1-17-38	[illegible]
U	REPLACED AN285-17 LUBRICATOR WITH ALEMITE #1708 (2 PER AIRPLANE)	10-5-38	[illegible]
V	AS NOTED	11-1-40	[illegible]

PBY-2, -3, & -4: B-30008 L & R; B-3004 L & R

PBY-1 ONLY

Q.H.	MODEL	NEXT ASSY	REQ	STD PARTS	REQ. L.H.	REQ. R.H.	PART NO.	REQ. L.H.	REQ. R.H.
							Q-7014-.032-.032	1	1
							Q-7017-C41-.010 N.F. AV. EST. QUANTITY 4-PER SHIP		
							28L2001 L-R	1	1
							28L2000 L-R	1	1
							28L010-1		1
							28L010	1	
							28L009-1		1
							28L009	1	
				ALEMITE #1708	1	1			
				PARKER CONN. #3FB DURAL	2	2			
				PARKER ELBOW #3CB DURAL	1	1	28L109	1	1
				AN28-42	1	1	28L031	1	1
-R	PBY-5A & B	28L001	1EA				28L029	1	1
-L	PBY-5A & B	28L001	1EA	AN320-8	1	1	28L028	2	2
-1	PBY-5	28L001-1		AN380-2-2	2	2			
	PBY-5	28L001		AN320-3	2	2			
-1	PBY-4	28L001-1		AN3-14	2	2			
	PBY-4	28L001		AN320-7	4	4			
-1	PBY-3	28L001-1		AN960-D716	4	4			
	PBY-3	28L001		AN27-27	4	4	-8		1
-1	PBY-2	28L001-1		AN285-17	5	5	-7		1
	PBY-2	28L001		AN380-33-3	7	7	-6	1	1
-1	PBY-1	28L001-1		AN320-6	2	2	-4	1	
	PBY-1	28L001		AN26-34	2	2	28L030-3	1	

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY

REPLACES	28L030 OF 3-21-34
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .010
APPROVED	[illegible] 5-12-37
CALC WT.	111.14
SCALE	1 1/2" = 1'0"
AC	
NAVY	
MATERIAL / SPEC / HEAT TREAT / FINISH	
DR. / CH. / APP.	J.S. 1-20-36 / [illegible] 5-20-37 / GREEN 1-25-36
OFF HAND	28L030-1

CONSOLIDATED AIRCRAFT CORP.
BUFFALO N.Y.

STAMP PT. No. WHERE SHOWN

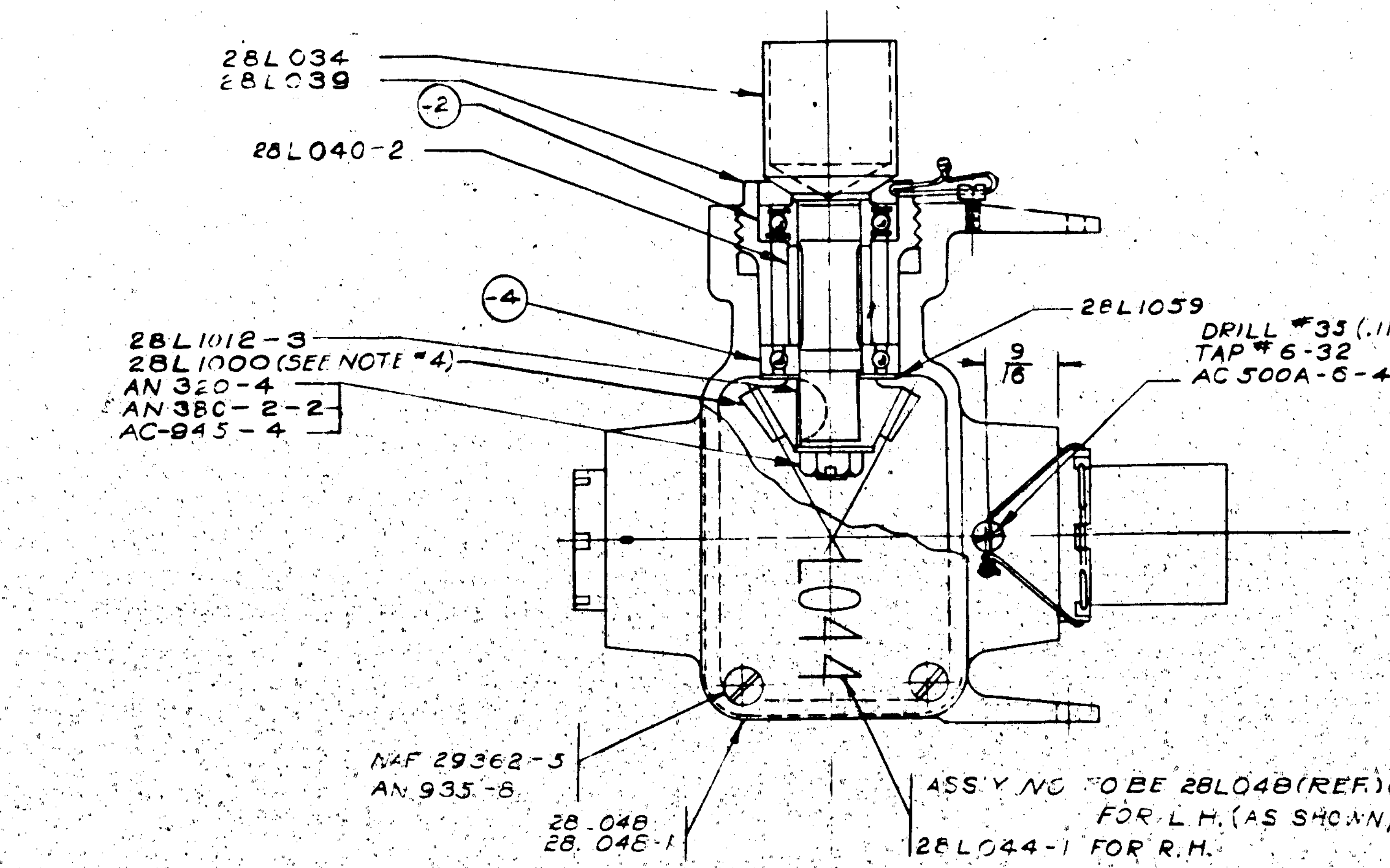
NAME: FLOAT, BRACE & STRUT ASSEMBLY ~ FLOAT

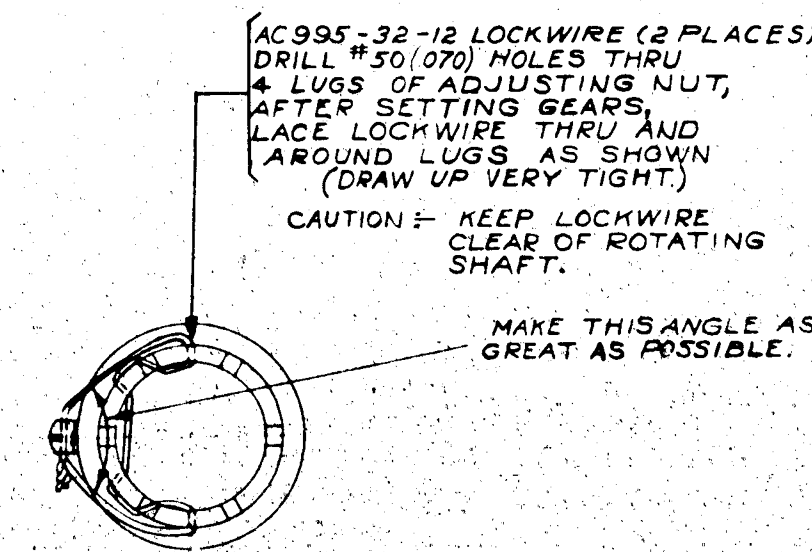
DWG. G 28L030

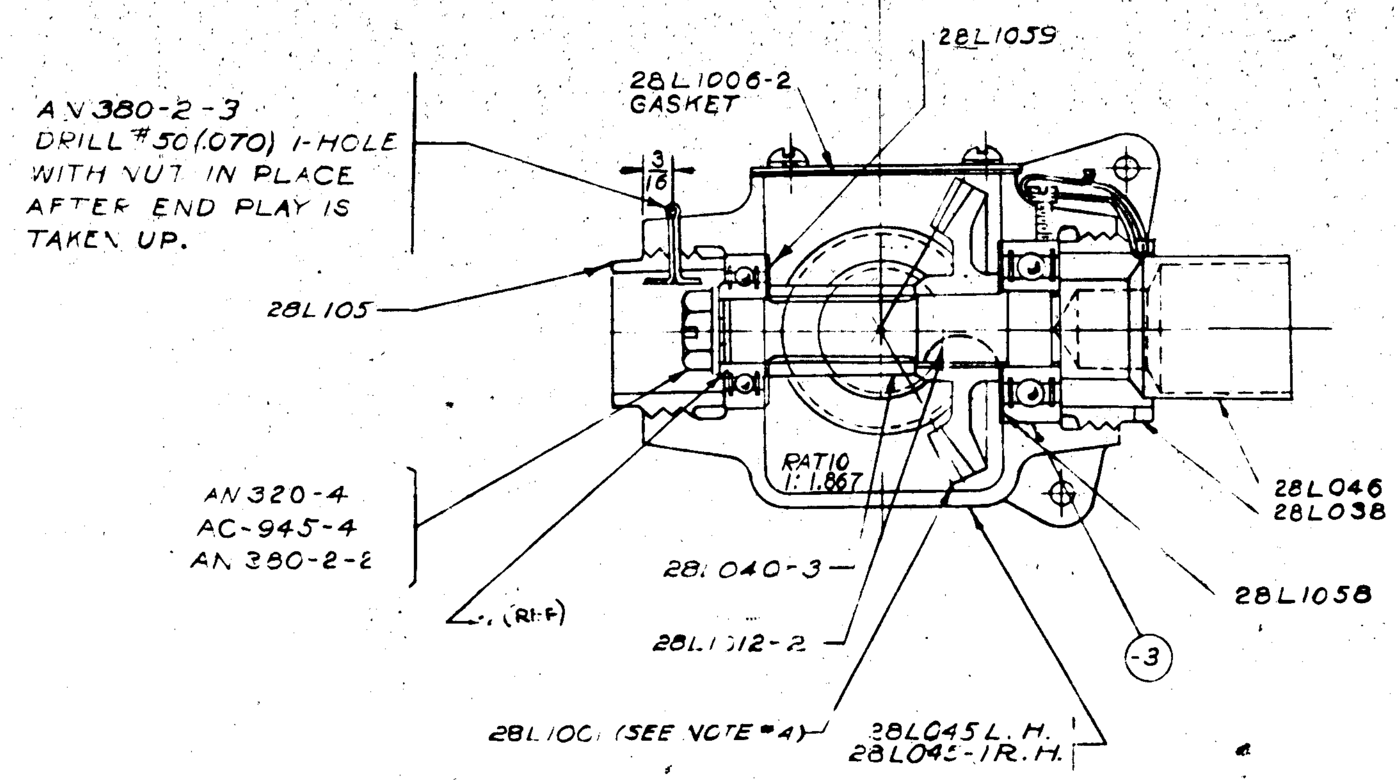
R

28L030

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				R	TRACED NO WT. CHG.		







NOTES

1. RE: ADJUSTMENT OF GEARS
   AFTER ASSEMBLING AS SHOWN, ALLOWING SLIGHTLY MORE PITCH CLEARANCE THAN NECESSARY, TIGHTEN THE 1/4" END NUTS ON SHAFTS, THUS SECURING CORRECT RELATIVE POSITION OF PARTS ON EACH SHAFT.

   THEN ADJUST WITH 28L039, 28L038, & 28L105 FOR CORRECT MESH WITH BACKLASH OF .004 MAX. AT PITCH DIAMETER. NOTE THAT 28L039 CAN BE TURNED IN (OR OUT) MOVING THE WHOLE SHAFT ASS'Y, WHILE NUT 28L105 MUST BE BACKED BEFORE TIGHTENING NUT 28L038 (OR VICE VERSA). MAKE SURE THAT BEFORE DRILLING FOR COTTER PINS, AS NOTED, NUT 28L038 & 28L105 ARE TIGHT AGAINST BEARINGS.
2. ANTI-SIEZE COMPOUND TO BE USED ON ALL DURAL ADS NUT & COVER SCREWS.
3. FOR LUBRIC:
   FILL ONLY TO 1/4" FROM BOTTOM WITH MOBIL GREASE #2 OR KALREX #1 (OR EQUIVALENT COLD TEST LUBRICANT)
4. SERVICE NOTE: IF REPLACEMENT OF ONE OF THE GEARS IS NECESSARY, REPLACE ALWAYS THE PAIR OF GEARS, AND NOT ONE PART ONLY.
5. ON XP3Y-1 GEAR RATIO - 1:1.5 WITH GEARS 28L035 & 28L037
6. -2 FAFNIR SEALED KC8 BALL BEARING OR EQUIVALENT.
   -3 NORMA HOFFMANN 202 PP SEALED BALL BEARING OF FAFNIR 202-KDD OR EQUIVALENT.
   -4 CVAC BE42 OR FAFNIR S5K OR NORMA HOFFMANN S5R BALL BEARING.

FINISH CODE	
Z	ANODIC TREATMENT
P	ZINC PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

REQUIREMENTS PER AIRPLANE

ASSY DASH No	MODEL	NEXT ASSY	REQ.
L/R	PBY-5A	28L006	1EA
	PBY-5B		
	28-5AMN		
	28-5AMC		
	28-5MN		
	28-5ME		
	28-5MC		
	28-5MA		
	PBY-5		1EA
	PBY-4		
	PBY-3		
	PBY-2		
	PBY-1		
L/R	XP3Y-1	28L006	

REPLACES 28L044-4-23-37 — CALC. WT 1.84
REPLACED BY — ACT WT
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PARTS LIST PER ASSY.

PART No	STOCK	MATERIAL	SPEC.	-0 LH REQ.	-0 RH REQ.
ANTI-SIEZE COM. (SEE NOTE 2)					
LUBRIC (SEE NOTE 3)					
NAF 29362-3 SAME AS AN 520-D8-6				4	4
AC995-32-12				2	2
AC500A-6-4				2	2
AN945-4				2	2
AN935-8				4	4
AN380-2-3				1	1
AN380-2-2				2	2
AN320-4				2	2
28L1059				1	1
28L1058				1	1
28L1012-3				1	1
28L1012-2				1	1
28L1006-2				1	1
28L1001	SEE NOTE #4			1	1
28L1000	SEE NOTE #4			2	2
28L105				1	1
28L048-1					1
28L048				1	
28L046				1	1
28L045-1					1
28L045				1	
28L040-3				1	1
28L040-2				1	1
28L039				1	1
28L038				1	1
28L034				1	1
-4	SEE NOTE #6			1	1
-3	SEE NOTE #6			1	1
-2	SEE NOTE #6			2	2

A C		4-11-34	THURBER	H.P.		LCW	
NAVY NONE	TOUCH UP G P	W.M.	5-12-37			4-23-37	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.

NAME GEAR BOX ASS'Y - FLOAT CONTROL - OUTER FRONT

OPP. HAND 28L044-1

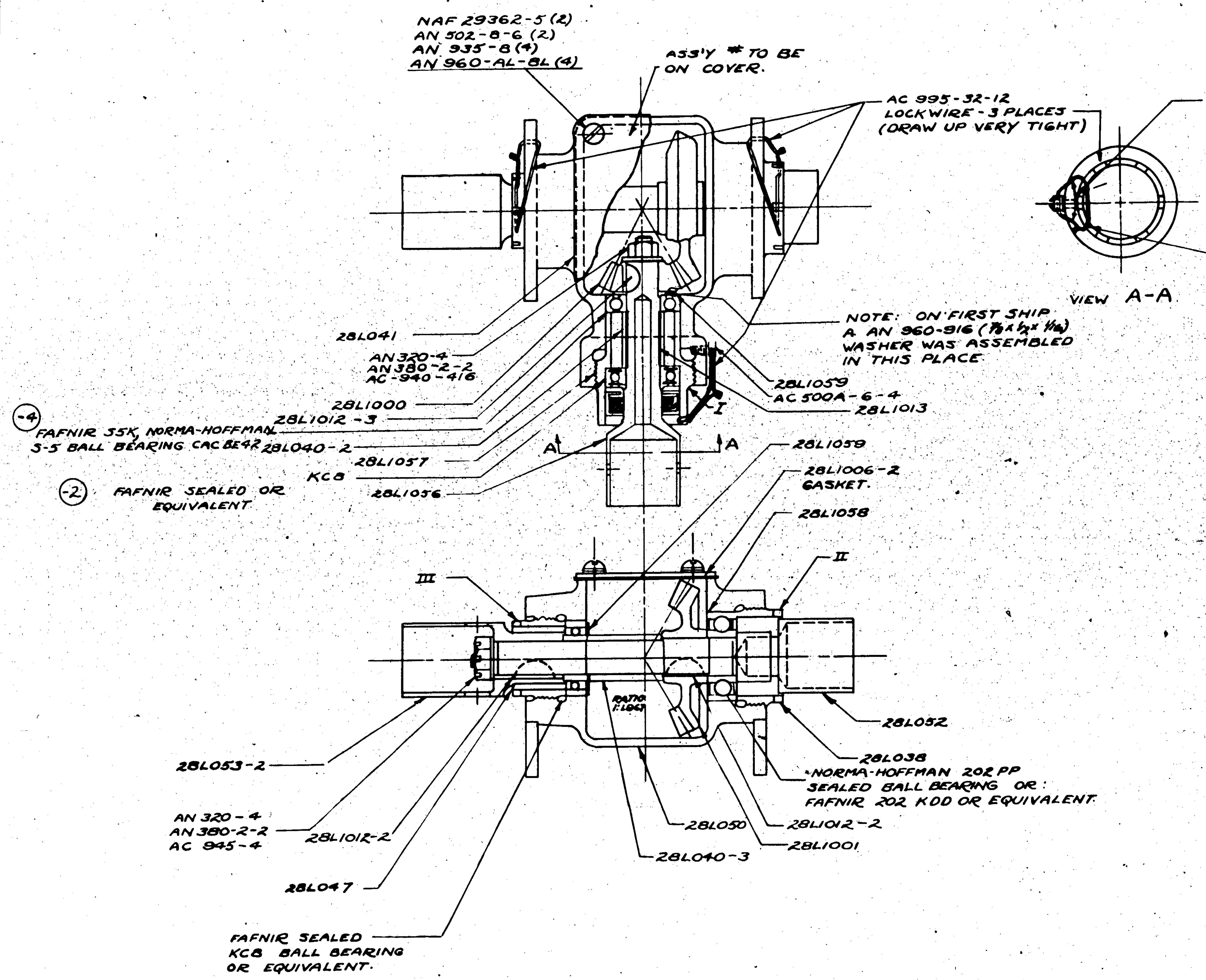
DWG. SIZE G — 28L044

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28L044

LET	ALTERATION	DATE	BY
AB	TRACED	10-12-45	

SUPPLIES & EQUIPMENT CLASSIFICATION



DRILL #50 (.070) THRU 2 PLACES 3/4 APART OF ADJUSTING NUT AFTER SETTING GEARS FOR CORRECT BACKLASH, LACE LOCKWIRE THRU & AROUND LUGS APPROX. AS SHOWN. CAUTION: KEEP LOCKWIRE CLEAR OF ROTATING SHAFT.

NOTES:

ALTERNATE MATERIAL FOR -5 SEALING RING (PERFECT OIL RETAINER #11218 OR GARLOCK KLOZURE 9/16 X 1.125 X 9/16) IS 1010 CARBON STEEL OR BETTER, CADMIUM PLATED PER SPEC. AN-QQ-P-421.

X SERVICE NOTE: IF REPLACEMENT OF ONE OF THE GEARS IS NECESSARY, REPLACE ALWAYS THE PAIR OF GEARS, AND NOT ONE PART ONLY.

FOR NOTES ON ADJUSTMENT OF GEARS SEE DWG'S 28L032 OR 28L044. USE ANTI-SEIZE COMPOUND ON DURAL ADJUST NUTS & COVER SCREWS.

LUBRICATION - FILL ONLY TO 1/4" FROM BOTTOM WITH MOBIL GREASE #2, KALREX #1, OR (EQUIVALENT) COLD TEST LUBRICANT.

IF "PERFECT OIL RETAINER" IS USED, SOAK IN GASOLINE 48 HOURS BEFORE ASSEMBLY. IF "GARLOCK KLOZURE" IS USED, DIP IN OIL BEFORE ASSEMBLY.

-5 SEALING RING MAY BE "PERFECT OIL RETAINER" #11218 WITH STAINLESS STEEL CASE (CHICAGO RAWHIDE MFG CO.) OR GARLOCK KLOZURE 9/16 X 1.125 X 9/16 WITH STAINLESS STEEL CASE (GARLOCK PACKING CO.)

ON XP3Y1 GEAR RATIO 1:23 WITH GEARS 28L137 & 28L138

FINISH: GP - GREEN PRIME

O.N.	MODEL	NEXT ASSY.	REQ.	STD PARTS	REQ.	PART NO.	REQ.	
						28L1013	1	
						28L049-5	1	
						28L1059	2	
						28L1058	1	
						28L1012-3	1	
						28L1012-2	2	
						28L1006-2	1	
				AC 995-32-12	3	-4	1	
				AC 500A-6-4	1	-3	1	
						28L049-2	2	
	PBY-5A	28L006	1	ANTI-SEIZE COMP		28L052	1	
	PBY-5	28L006	1	LUBRICANT		28L053-2	1	
	28-5AMN	28L006	1	AN 960-916	1	28L050	1	FIRST SHIP ONLY
	28-5AMC	28L006	1	AC 940-416	1	28L041	1	
	[illegible]	28L006	1	NAF 29362-5	2	28L047	1	
	[illegible]	28L006	1	AN 935-8	4	28L040-3	1	
	PBY-5B	28L006	1	AN 380-2-2	2	28L040-2	1	
	PBY-4	28L006	1	AN 320-4	2	28L1057	1	
	PBY-3	28L006		AN 502-8-6	2	28L038	1	
	PBY-2	28L006		AN 960-416	4	28L1001	1	
	PBY-1	28L006				28L1000	1	
	XP3Y-1	28L006		AC 945-4	1	28L1056	1	

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

REPLACES | APPROVED: KWM | DATE: 4-21-37
REPLACED BY | CALC. WT.: 217 | ACT. WT.
SCALE: 12" = 1'0"

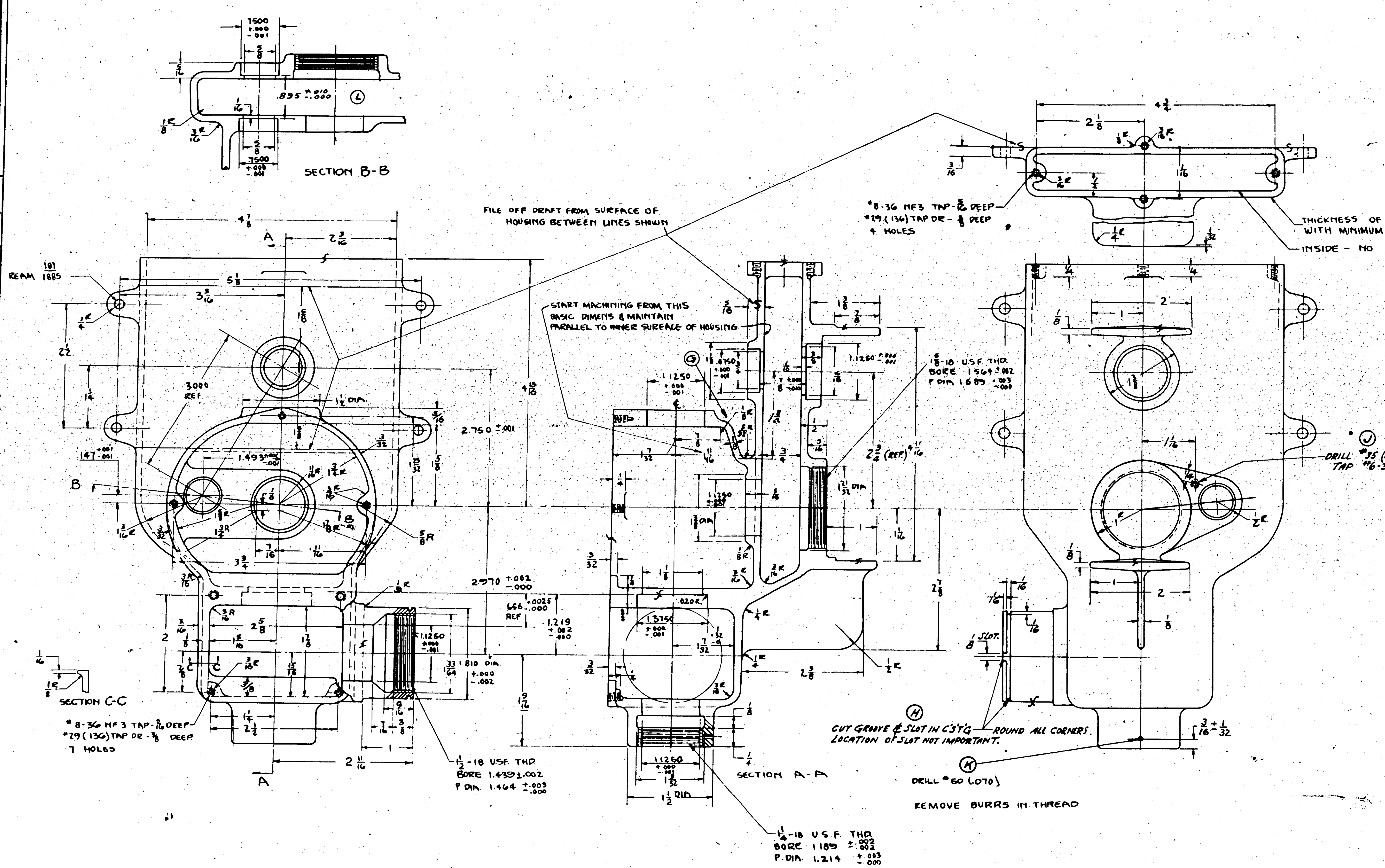
MATERIAL: NAVY NOTED | SPEC.: — | HEAT TREAT: NONE | FINISH: TOUCH UP AL.

DRAFT / CHECK / EXAM.: 4-4-37 | 6-7-37 | 5-5-37

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: GEAR BOX-ASSEM-FLOAT CONTROL-UPPER CENTER

DWG G 28L04



LET	ALTLRATION	DATE	BY
E	TRACED UP TO DATE	5-12-37	V I B
G	INCORPORATED C.O. 6843	1-17-38	Bower
H	INCORP. C.O. #6767	1-19-38	Bower
J	ADDED #6-32 TAPPED HOLE	1-19-38	Bower
K	1 #50 HOLE WAS 3 HOLES.	1-19-38	Bower
L	IN SEC. B-B, DIM. .895 +.010 -.000 WAS 7/8 +.000 -.010 WT. CHG. NEG.	10-1-...	...
M	IN B/M, REPLACED "ALCOA AL. 195T4 AL ALLOY CSTG", SPEC. "46AL-CL4" & H.T. "29,000#/□"" WITH "NOTED". ADDED MAT'L NOTES #1 & #2. NO WT. CHG.	7-19-43	...
N	TO FACE, ADDED MATERIAL NOTE #3. NO WT CHG	9-15-43	HODIK

MATERIAL NOTES-

1- 195T4 AL. AL CASTING, SPEC AN-QQ-A-390 CL. I, T.S. 29,000 P.S.I., OR (M)

2.- 5195T6 AL. AL. CASTING, SPEC AN-A-5 CL. II., T.S. 32,000 P.S.I., OR

(N) 3.- 356-T6 AL ALLOY CASTING, SPEC AN-QQ-A-394, T.S. 30,000 P.S.I.

O.H.	MODEL	NEXT ASSY.	REQ.
	28-5AMA	28L057	1
	PBY-5R		1
	28-5ANC		1
	28-5MN		1
	28-5ME		1
	28-5MC		1
	28-5MA		1
	PBY-5A	28L057	1

GP- GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28L057	1
	PBY-4	28L057	
	PBY-3	28L057	
	PBY-2	28L057	
	PBY-1	28L057	
	XP3Y-1	28L057	

REQUIREMENTS PER AIRPLANE

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: CAST ± 1/32, MACH. ± .010

APPROVED: LCW — DATE: 5-12-37

CALC. WT.: 2.28 — ACT. WT.

SCALE 12" = 1'-0"

AC

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY NOTED	NOTED	NOTED	Z-P. 26P OUTSIDE

DRAFT	CHECK	STAN	ENG.
4-12-37	...		
W.M.	6-29-37		

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.

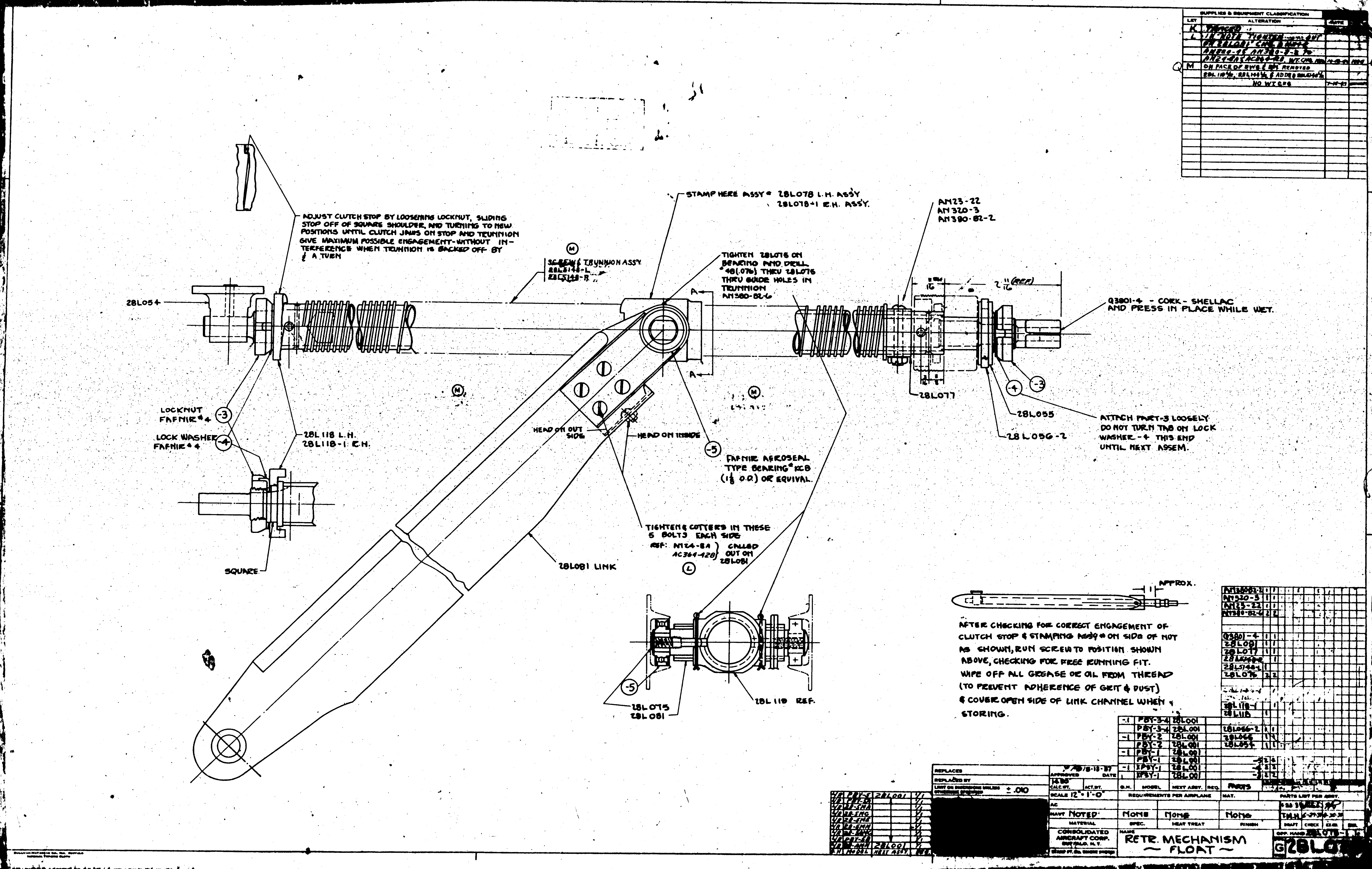
STAMP PT. No. WHERE SHOWN

NAME: BOX. FLOAT. CONTROL-LOWER-CENTER-GEAR

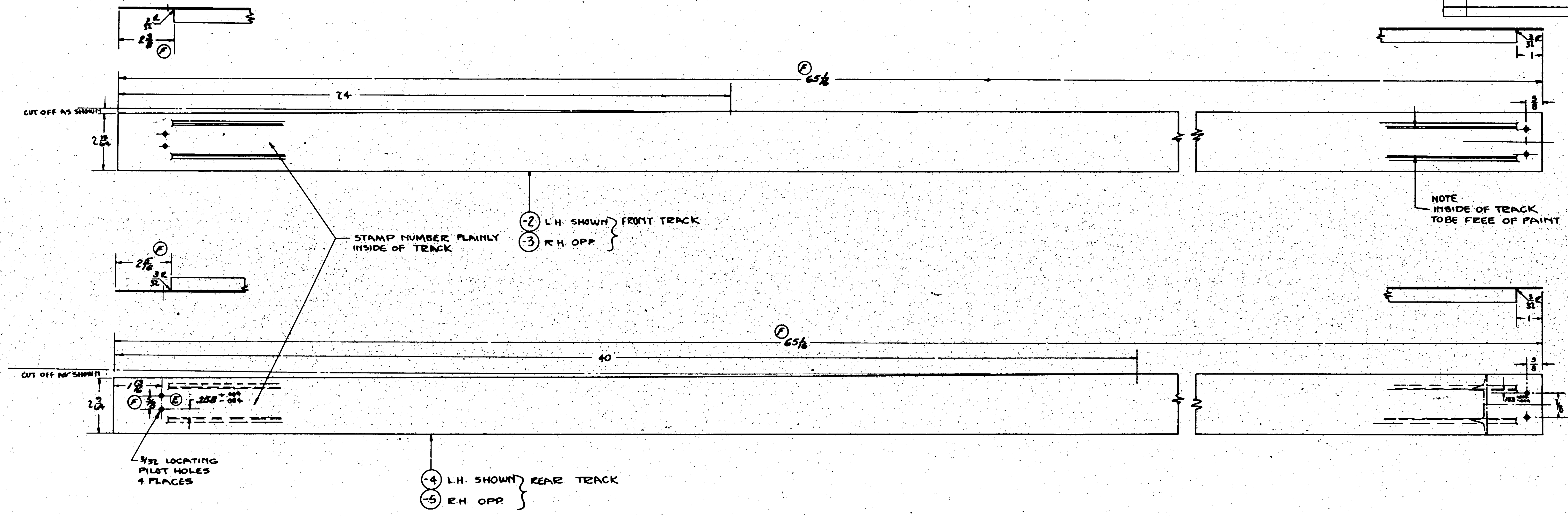
OPP. HAND

DWG. SIZE G — 28L058

R 28L058


ADJUST CLUTCH STOP BY LOOSENING LOCKNUT, SLIDING STOP OFF OF SQUARE SHOULDER, AND TURNING TO NEW POSITIONS UNTIL CLUTCH JAWS ON STOP AND TRUNNION GIVE MAXIMUM POSSIBLE ENGAGEMENT-WITHOUT INTERFERENCE WHEN TRUNNION IS BACKED OFF BY ¼ A TURN
STAMP HERE ASSY # 28L078 L.H. ASSY
28L078-1 R.H. ASSY.
AN23-22
AN320-3
AN380-B2-2
SCREW & TRUNNION ASSY.
28L054
TIGHTEN 28L076 ON BEARING AND DRILL #48(.076) THRU 28L076 THRU GUIDE HOLES IN TRUNNION AN380-B2-6
Q3801-4 - CORK - SHELLAC AND PRESS IN PLACE WHILE WET.
28L077
28L055
28L056-2
ATTACH PART-3 LOOSELY. DO NOT TURN TAB ON LOCK WASHER -4 THIS END UNTIL NEXT ASSEM.
LOCKNUT FAFNIR # 4
LOCK WASHER FAFNIR # 4
28L118 L.H.
28L118-1 R.H.
HEAD ON OUT SIDE
HEAD ON INSIDE
FAFNIR AEROSEAL TYPE BEARING # RCB (1⅛ O.D.) OR EQUIVAL.
SQUARE
TIGHTEN & COTTERS IN THESE 5 BOLTS EACH SIDE
REF: AN24-8A AC364-428 CALLED OUT ON 28L081
28L081 LINK
28L075
28L081
28L119 REF.
APPROX.
AFTER CHECKING FOR CORRECT ENGAGEMENT OF CLUTCH STOP & STAMPING ASSY # ON SIDE OF NUT AS SHOWN, RUN SCREW TO POSITION SHOWN ABOVE, CHECKING FOR FREE RUNNING FIT.
WIPE OFF ALL GREASE OR OIL FROM THREAD (TO PREVENT ADHERENCE OF GRIT & DUST) & COVER OPEN SIDE OF LINK CHANNEL WHEN STORING.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED DATE
SCALE 12" = 1'-0"
MATERIAL NOTED
SPEC. NONE
HEAT TREAT NONE
FINISH NONE
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME RETR. MECHANISM ~ FLOAT ~
G 28L0

LET	ALTERATION	DATE	BY
D	TRACED	5-11-37	V.F.B.
E	CHANGED 1/8 TO 5/8 & .258 TO .258 -.004	[illegible]	[illegible]
F	CHANGED 2 1/8 TO 2 3/8, 2 3/4 TO 2 5/16, 1 1/2 TO 1 5/8 & CSK	[illegible]	[illegible]



—MATERIAL—
ALCOA DIE No. K9683
EXTRUDED AL. ALLOY SPEC. 46A9
COND. "T"

GP - GREEN PRIME
FINISH CODE
TREATMENT

O.H.	MODEL	NEXT ASSY.	REQ.
-5	PBY-5A&B	28W020	1EA
-4	PBY-5A&B	28W020	1EA
-3	PBY-5A&B	28W020	1EA
-2	PBY-5A&B	28W020	1EA
-5	PBY-5	28W020-1	
-4	PBY-5	28W020	
-3	PBY-5	28W020-1	
-2	PBY-5	28W020	
-5	PBY-3-4	28W020-1	
-3	PBY-3-4	28W020-1	
-4	PBY-3-4	28W020	
-2	PBY-3-4	28W020	
-5	PBY-2	28W020-1	
-3	PBY-2	28W020-1	
-4	PBY-2	28W020	
-2	PBY-2	28W020	
-5	PBY-1	28W020-1	
-3	PBY-1	28W020-1	
-4	PBY-1	28W020	
-2	PBY-1	28W020	
-5	XP3Y-1	28W020-1	
-3	XP3Y-1	28W020-1	
-4	XP3Y-1	28W020	
-2	XP3Y-1	28W020	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

APPROVED [illegible] DATE 5-11-37
CALC. WT. 1.564 — ACT. WT.
SCALE 6" - 1'-0"
AC
NAVY Noted

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY Noted	Noted	Noted	GP - See NOTE

DRAFT	CHECK	STAIN.	ENG.
5-15-37	6-11-37		

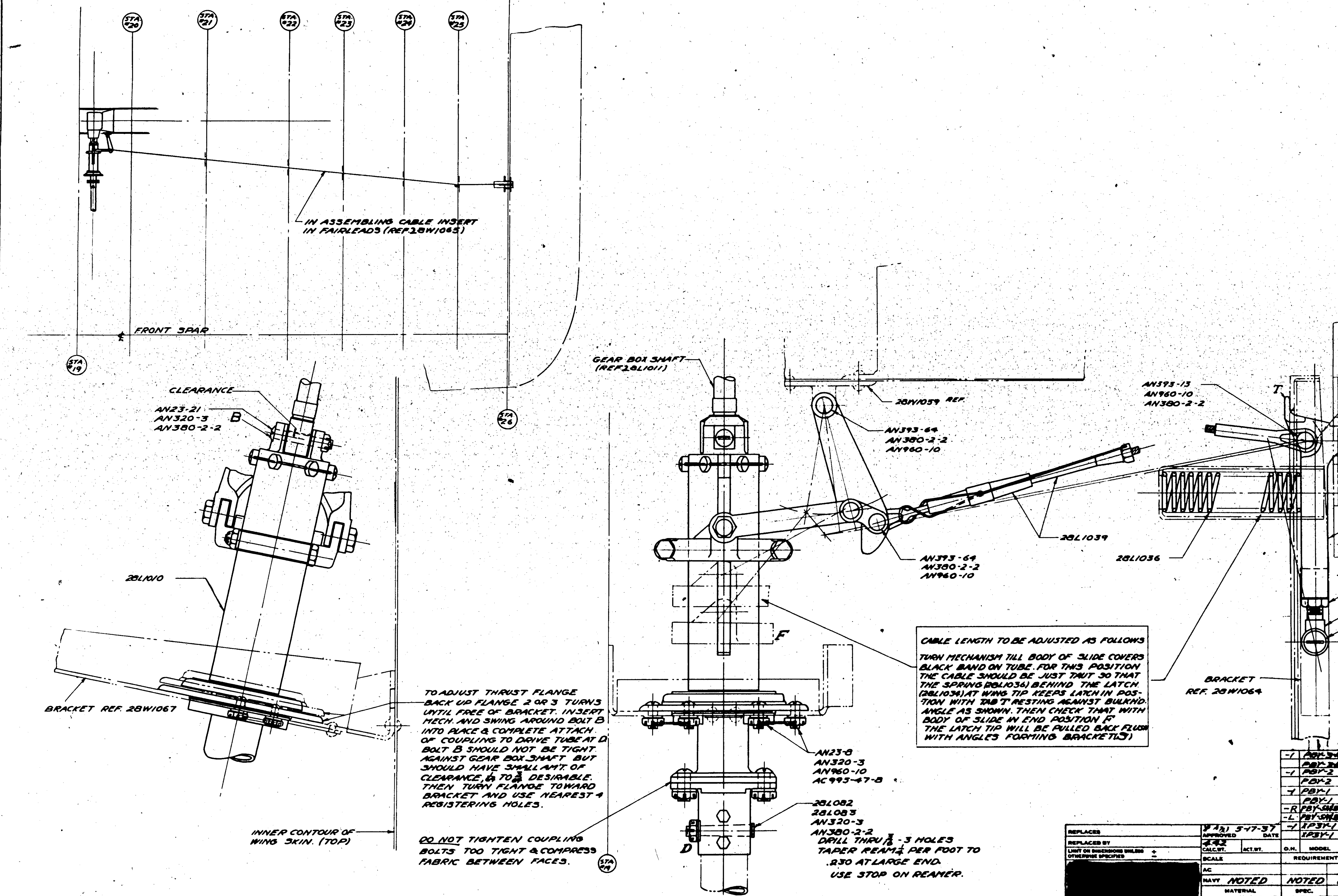
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: TRACK - FLOAT - RETR. MECH. SCREW

OPP. HAND

G 28L111

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
B	TRACED	5-17-37	H.W.



PARTS								
28L083	3	3	3	3	3	3	3	3
28L082	3	3	3	3	3	3	3	3
28L1039	1	1	1	1	1	1	1	1
28L1036	1	1	1	1	1	1	1	1
28L1035	1	1	1	1	1	1	1	1
28L1034	1	1	1	1	1	1	1	1
28L1010-1		1		1		1		1
28L1010	1		1		1		1	
AN23-21	1	1	1	1	1	1	1	1
AC995-47-8	2	2	2	2	2	2	2	2
AN320-3	8	8	8	8	8	8	8	8
AN23-8	4	4	4	4	4	4	4	4
AN393-64	2	2	2	2	2	2	2	2
AN960-10	7	7	7	7	7	7	7	7
AN393-13	1	1	1	1	1	1	1	1
AN315-5	1	1	1	1	1	1	1	1
AN24-31	1	1	1	1	1	1	1	1
AN960-416	1	1	1	1	1	1	1	1
AN320-4	1	1	1	1	1	1	1	1
AN380-2-2	8	8	8	8	8	8	8	8
	[illegible]		[illegible]		[illegible]		[illegible]	
	XP3Y-1		PBY-1		PBY-2		PBY-3	
MAT.	PARTS LIST PER ASSY.							

O.H.	MODEL	NEXT ASSY.	REQ.
-1	PBY-3	28L006	
	PBY-3	28L006	
-1	PBY-2	28L006	
	PBY-2	28L006	
-1	PBY-1	28L006	
	PBY-1	28L006	
-R	PBY-SPARE	28L006	1 EA.
-L	PBY-SPARE	28L006	1 EA.
-1	XP3Y-1	28L006	
	XP3Y-1	28L006	
REQUIREMENTS PER AIRPLANE			

REPLACES		APPROVED 5-17-37	DATE
REPLACED BY		CALC. WT. 4.42	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	+ −	SCALE	
		AC	
		NAVY NOTED	
		MATERIAL	

NOTED	NONE	NONE	J.S.	WILLIAMS		
			1-13-35	6-12-37		
SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.

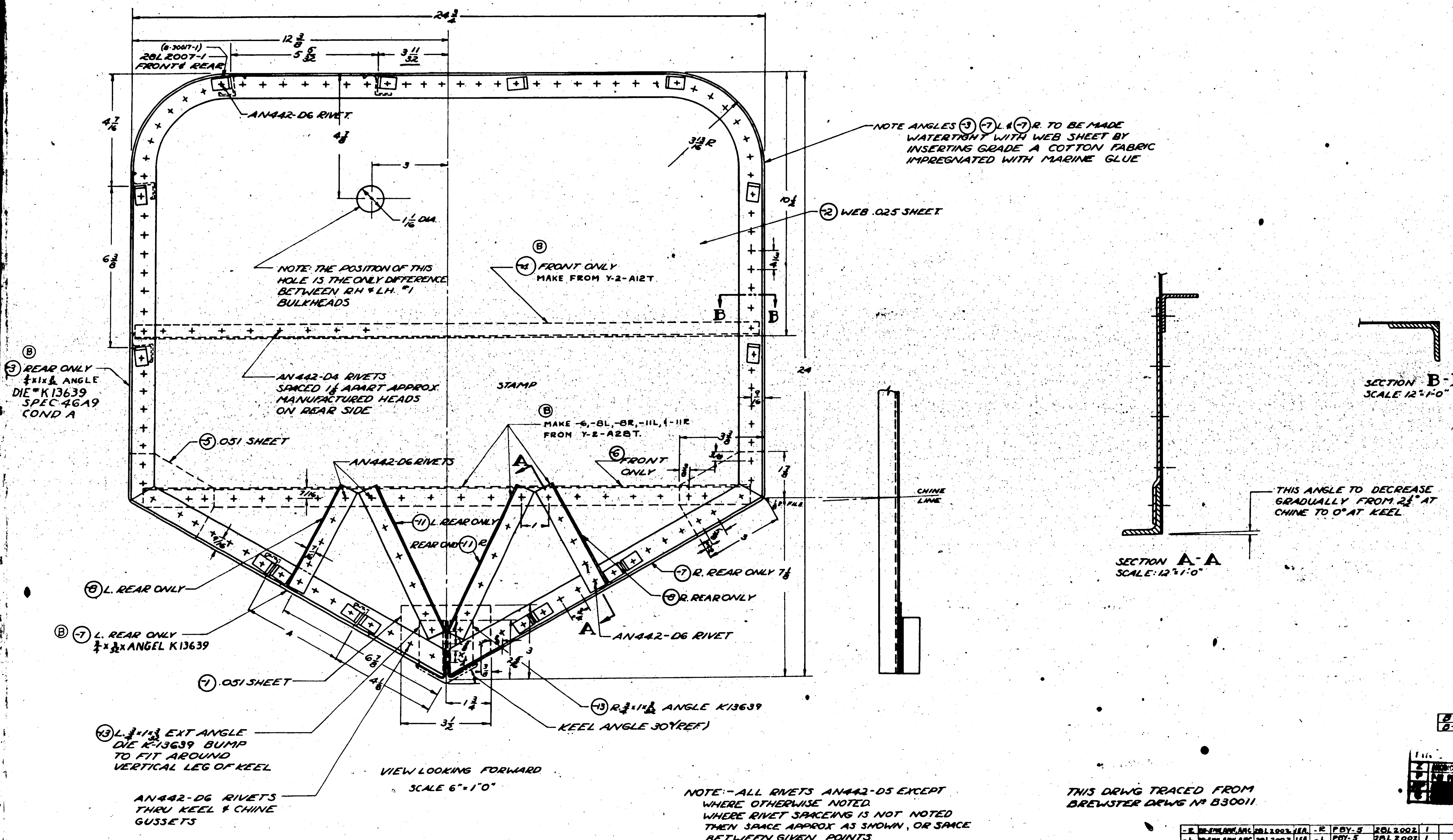
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

NAME: INSTALLATION-FLOAT-LOCK & RECOIL MECH.

OPP. HAND 28L1040-1

G 28L1040



NOTE:- ALL RIVETS AN442-D5 EXCEPT WHERE OTHERWISE NOTED. WHERE RIVET SPACEING IS NOT NOTED THEN SPACE APPROX AS SHOWN, OR SPACE BETWEEN GIVEN POINTS.

THIS DRWG TRACED FROM BREWSTER DRWG Nº B30011.

LET	ALTERATION	DATE	BY
A	TRACED FROM BREWSTER DRWG Nº B30011 AFTER CHG LET "D"	11-12-37	[illegible]
B	[illegible] REPLACED [illegible] WITH "MAKE FROM Y2-A12T" [illegible] REPLACED NOTE [illegible] WITH "MAKE -6, -8L, -8R, -11L & -11R FROM Y-2-A28T" [illegible] RELEASES UP TO DATE. WT CHKD. 11	6-11-43	[illegible]

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

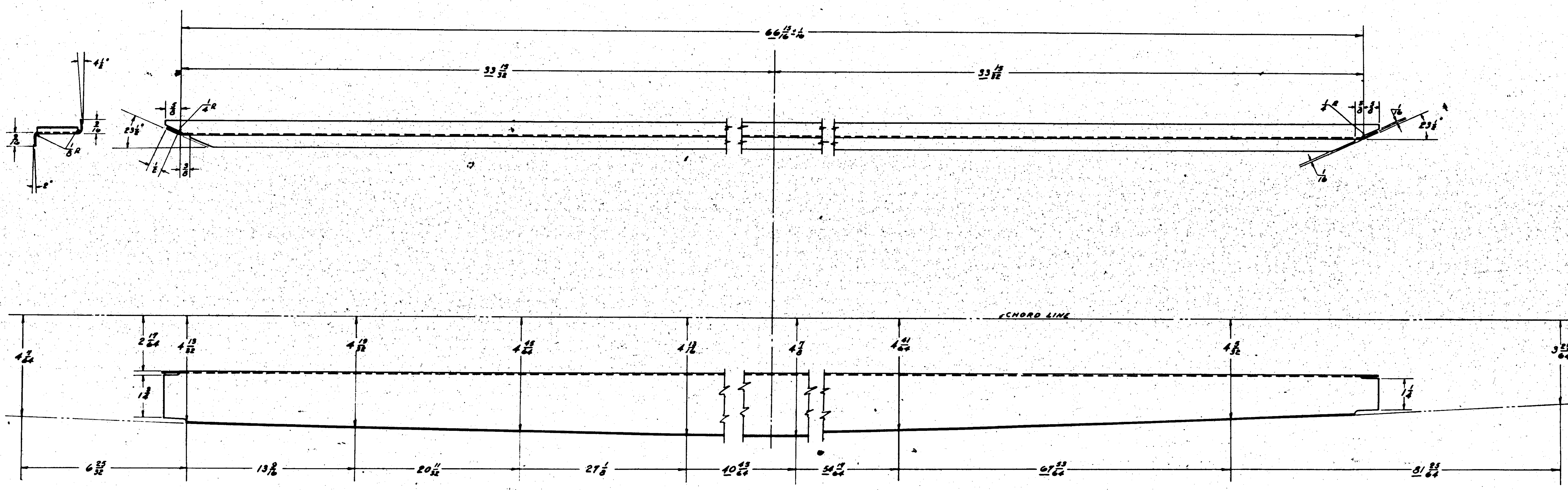
NAME: BULKHEAD - FLOAT #1

DWG. G 28L2004

MATERIAL: NOTED — SPEC.: NOTED — HEAT TREAT: NOTED — FINISH: Z-P

SCALE: 6"=1'-0" & NOTED — APPROVED: ZCW 11-12-37

LET	ALTERATION	DATE	BY
A	TRACED FROM BREWSTER DWG Nº B-30031 AFTER CHG. LET. "A"	11-8-37	J.R.M.



NOTE:- CONTOUR OFFSETS ARE TO OUTSIDE OF FLANGE

FINISH:
ANODIZE
PBY PRIMER
2 GREEN PRIMER

THIS DRWG. TRACED FROM BREWSTER DRWG Nº B-30031.

O. H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5	28L2000	1EA
-L	PBY-5	28L2000	1EA
-R	PBY-3-4	28L2000-R	
	PBY-3-4	28L2000	
-R	PBY-2	28L2000-R	
	PBY-2	28L2000	

REQUIREMENTS PER AIRPLANE

APPROVED: XCW — DATE: 11-2-37

SCALE 6" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK
NAVY	DURAL. ALLOY SHEET 24SO	47A10 COND. -A	SR53	Z-P	J.J.B. 3-18-37	11-18-37

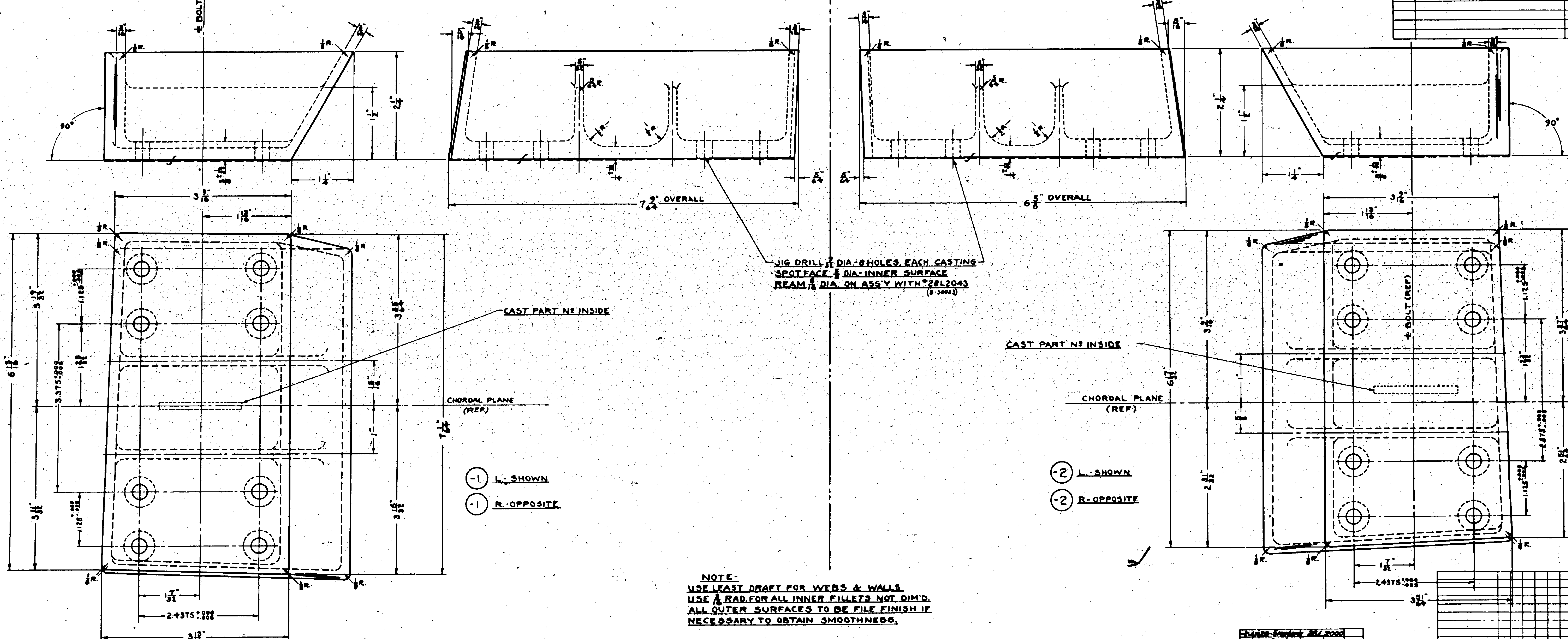
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: RIB - FLOAT BRACE - TOP

OPP. HAND 28L2042-R

G 28L2042

LET	ALTERATION	DATE	BY
A	TRACED FROM BREWSTER DRWG B-30024 AFTER CHG. LET. "E"	11-16-37	[illegible]
B	NAVY SPEC. 46A1-CL.4 [illegible] H.T. WAS 32,000 [illegible]	[illegible]	[illegible]



NOTE-
USE LEAST DRAFT FOR WEBS & WALLS.
USE 1/8 RAD. FOR ALL INNER FILLETS NOT DIM'D.
ALL OUTER SURFACES TO BE FILE FINISH IF NECESSARY TO OBTAIN SMOOTHNESS.

FINISH:
ANODIZE
DRY PRIMER
2 GREEN PRIMER

THIS DWG. TRACED FROM BREWSTER DWG. B-30024

D. H.	MODEL	NEXT ASSY.	REQ.
-2R	PBY-3-4	28L2000R	
-2L	PBY-3-4	28L2000	
-1R	PBY-3-4	28L2000R	
-1L	PBY-3-4	28L2000	
-2R	PBY-2	28L2000R	
-2L	PBY-2	28L2000	
-1R	PBY-2	28L2000R	
-1L	PBY-2	28L2000	

REQUIREMENTS PER AIRPLANE

REPLACES — APPROVED: ZCD — DATE: 11-16-37
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT
NAVY AL. ALLOY CASTING	46A1-CL.4	29,000 [illegible]	Z-P-2	J.J.B.

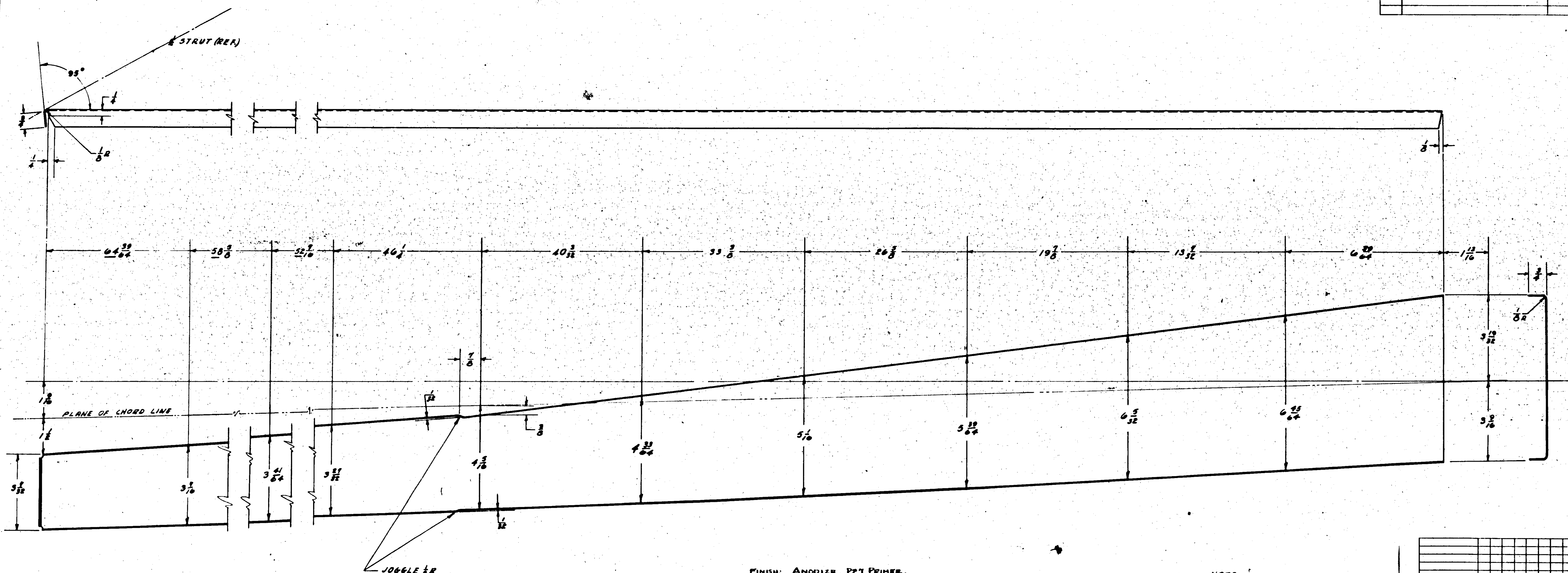
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: HOUSING FLOAT BRACE LEG

DWG. G 28L2044

LET	ALTERATION	DATE	BY
A	TRACED FROM BREWSTER DWG B-30025 AFTER CHG. LET. "C"	11-12-37	J.H.M.

SUPPLIES & EQUIPMENT CLASSIFICATION



FINISH: ANODIZE, PZ.1 PRIMER,
2 GREEN PRIMER

NOTE:-
CONTOUR OFFSETS GIVEN
TO OUTSIDE OF CHANNEL

THIS DWG TRACED FROM
BREWSTER DWG Nº B-30025

O. H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-SMB	28L2000	1EA.
-L	PBY-SMB	28L2000	1EA.
R	PBY-3-4	28L2000-R	
	PBY-3-4	28L2000	
R	PBY-2	28L2000-R	
	PBY-2	28L2000	

REQUIREMENTS PER AIRPLANE

REPLACES — APPROVED: YCW — DATE: 11-15-37

SCALE 6" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	.051 x 8 x 69 AL. ALLOY SHEET	47A10 COND. A	SR 53	Z-P {2 ... 2 ...} GP

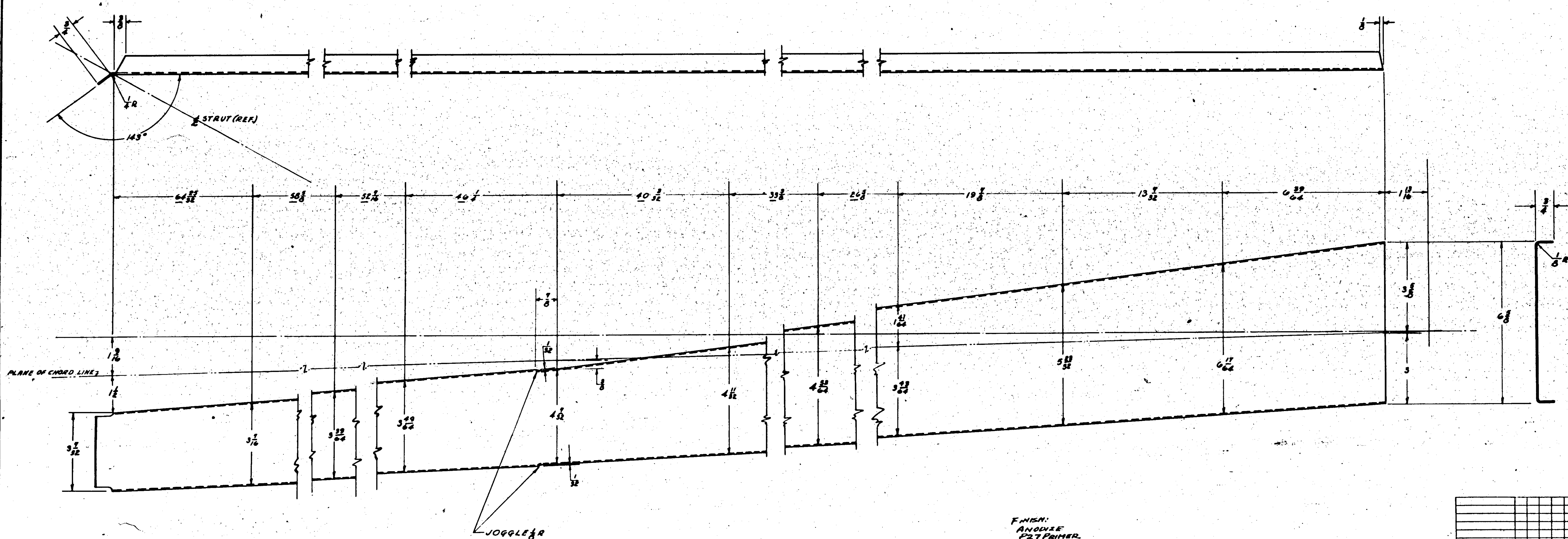
DRAFT: J.J.B. 3-23-37 — CHECK: 11-15-37

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: CHANNEL - FWD. LEG DIAGONAL FLOAT BRACE

OPP. HAND 28L2045-R

DWG. G 28L2045



LET	ALTERATION	DATE	BY
A	TRACED FROM BREWSTER DWG Nº B-30026 AFTER CHG. LET. "C"	11-12-37	J.H.H.
B	MATERIAL WAS ... 24 SO AL. ALLOY	11-11-40	[illegible]

FINISH:
ANODIZE
P27 PRIMER
GREEN PRIMER

NOTE:
CONTOUR OFFSETS GIVEN TO OUTSIDE OF CHANNEL

THIS DWG. TRACED FROM BREWSTER DWG. Nº B-30026

O.H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A	28L2090	1EA
-L	PBY-5A	28L2090	1EA
R	PBY-5	28L2000-1	
	PBY-5	28L2000	
R	PBY-3-4	28L2000-R	
	PBY-3-4	28L2000	
R	PBY-2	28L2000-R	
	PBY-2	28L2000	

REQUIREMENTS PER AIRPLANE

REPLACES — APPROVED: ZCW — DATE: 11-15-37

SCALE 6"=1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK
NAVY 24S ... ALCLAD	47A10 Comp A	SR-63	Z-P-	J.J.B. 3-29-37	11-15-37

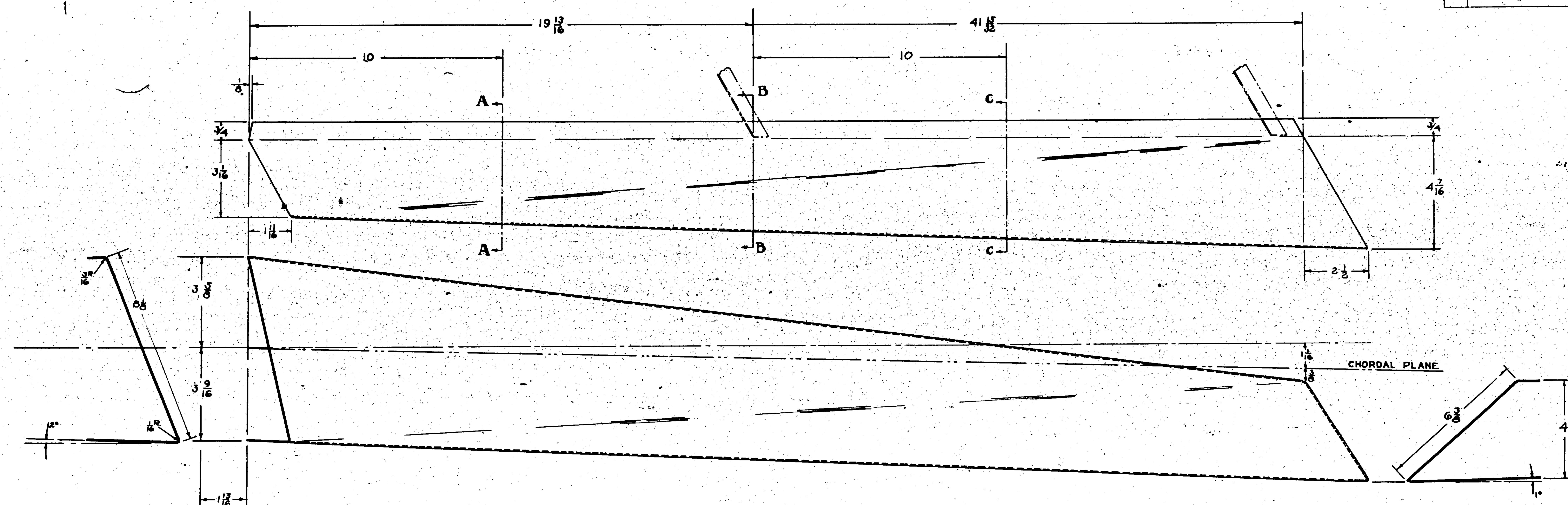
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

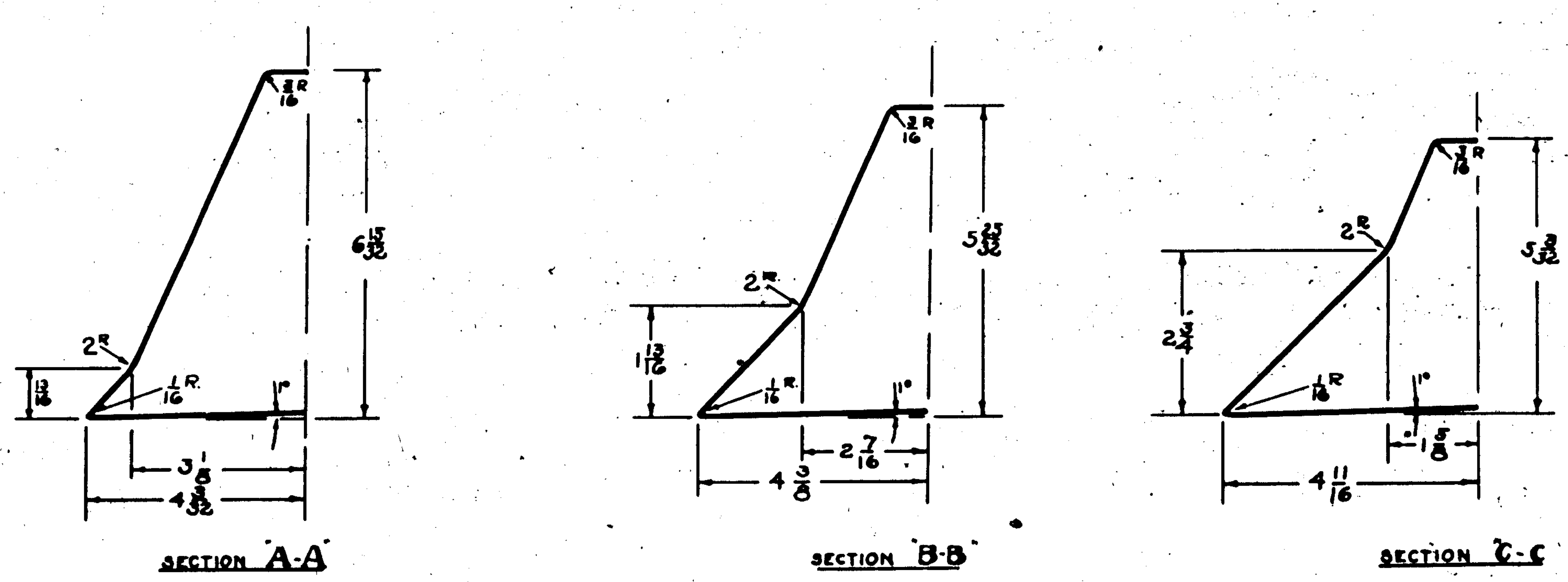
NAME: CHANNEL - REAR LEG DIAGONAL - FLOAT BRACE

OPP. HAND 28L2046-R

SIZE G — DWG. 28L2046

LET	ALTERATION	DATE	BY
A	TRACED FROM BREWSTER DRWG. NO. B-30029	11-12-37	[illegible]





FINISH:
ANODIZE
#27 PRIMER
2 GREEN PRIMER

THIS DRWG. TRACED FROM BREWSTER DRWG. NO. B30089

O. H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A	28L2000	1EA
-L	PBY-5A	28L2000	1EA
R	PBY-3-4	28L2000-R	
L	PBY-3-4	28L2000	
R	PBY-2	28L2000-R	
L	PBY-2	28L2000	

REQUIREMENTS PER AIRPLANE

REPLACES | APPROVED: YCW | DATE: 11-16-37

REPLACED BY | CALC. WT. | ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ±1/32

SCALE: 6" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK
NAVY .020 x 13 x 45 AL. ALLOY SHT.	47A10 (T)	NONE	ZP: OUTSIDE, INSIDE	JJB 3-28-37	11-16-37

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

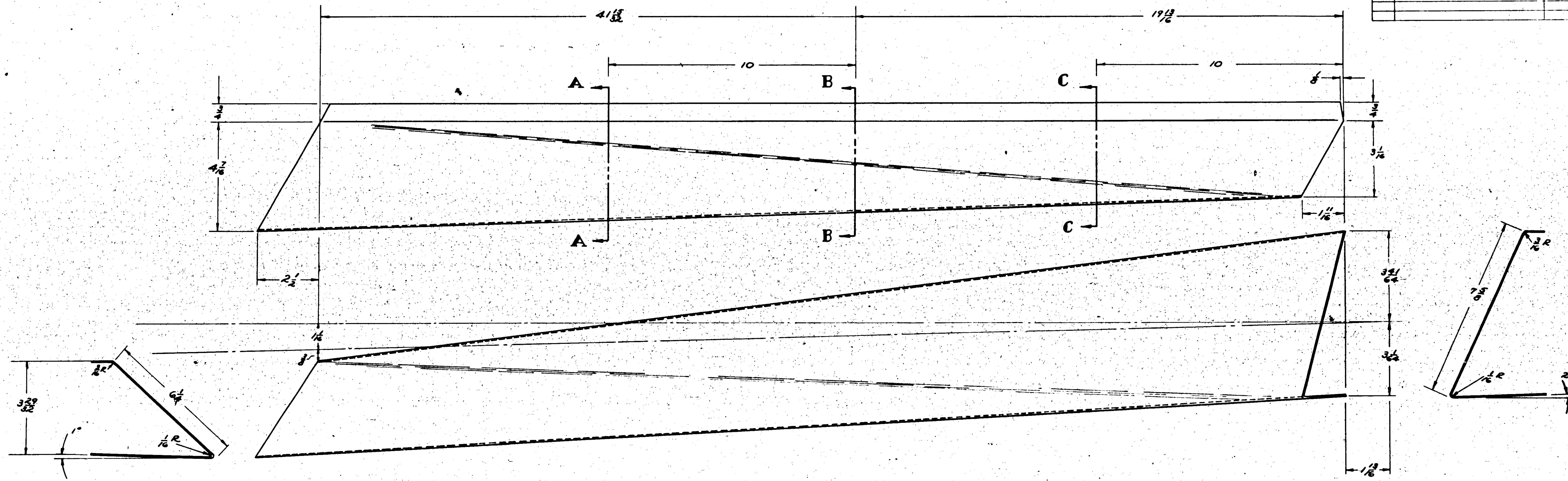
NAME: FAIRING FLOAT BRACE LEG - FRONT

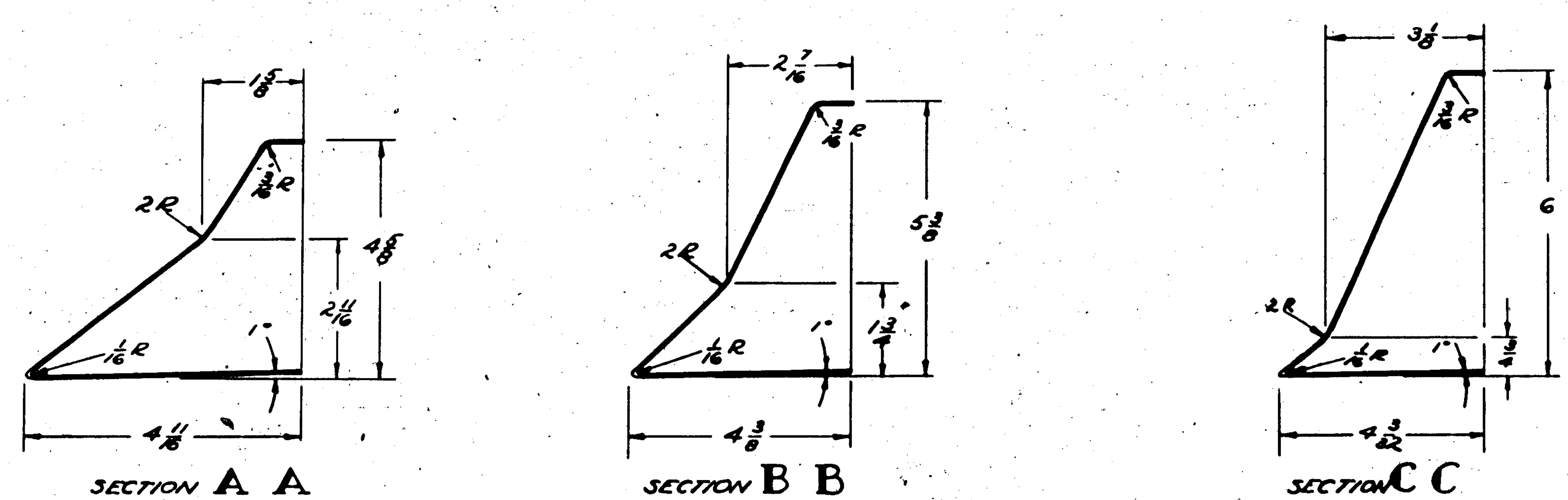
OPP. HAND 28L2049-R

DWG. G 28L2049

LET	ALTERATION	DATE	BY
A	TRACED FROM BREWSTER DWG. Nº B-30030	11-16-37	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION





FINISH:
ANODIZE
727 PRIMER
2 GREEN PRIMER

THIS DRAWING TRACED FROM
BREWSTER DRAWING Nº B-30030

O.H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A&B	28L2000	1FA
-L	PBY-5A&B	28L2000	1FA
R	PBY-3-R	28L2000R	
L	PBY-3-L	28L2000	
R	PBY-2	28L2000R	
L	PBY-2	28L2000	

REQUIREMENTS PER AIRPLANE — ST'D PARTS — LH RH REQ. — PART NO. — MAT. — PARTS LIST PER ASSY.

REPLACES — ZCW APPROVED 11-16-37 DATE

REPLACED BY — CALC. WT. — ACT. WT.

1/32 LIMIT ON DIMENSIONS UNLESS ± OTHERWISE SPECIFIED — 6" = 1'0" SCALE

	MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
A C NAVY	.020 X 13 X 45 AL. ALLOY SHT.	47A10 COND. T	NONE	ZP [illegible] OUTSIDE INSIDE	8-31-37 JJB	11-16-37 [illegible]		

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

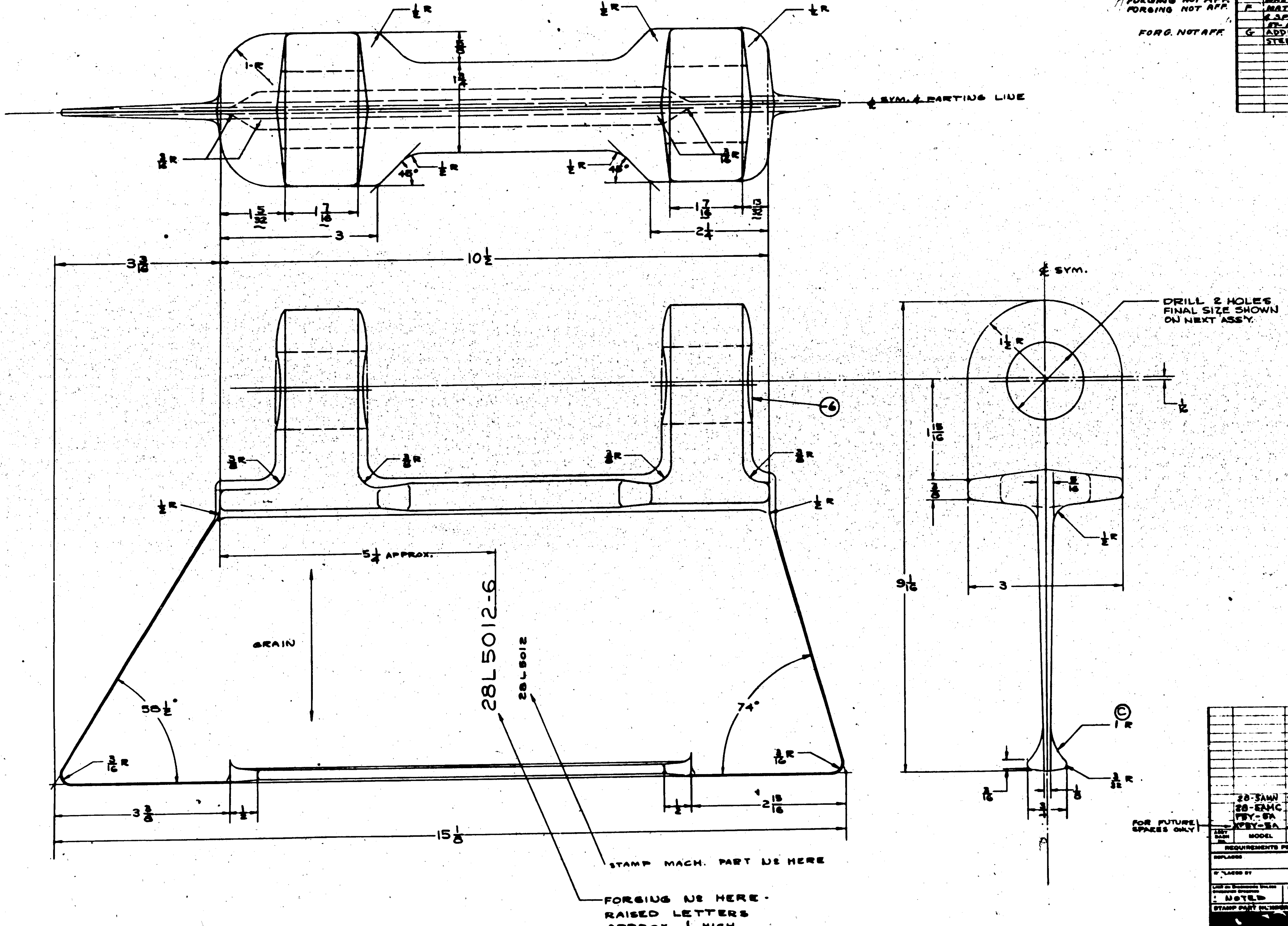
NAME: FAIRING FLOAT BRACE LEG REAR

OPP. HAND 28L2050-R

DWG. SIZE G — 28L2050

LET	ALTERATION	DATE	BY
A	REVISED	[illegible]	[illegible]
B	CHANGED TOLERANCE ±1/32 WAS ±1/64	5-12-41	[illegible]
C	FACE DWG. 1R WAS 1/4 R	[illegible]	[illegible]
D	REMOVED ±1/32 TOLERANCE. ADDED NOTE FORGING --- TOLERANCE ±1/32. FORGING NOT AFFECTED. NO WT. CHG.	4-15-42	[illegible]
E	WEB THICKNESS TOL. — +3/64 -1/32 WAS +1/64 -0. (NO WT. CHG.)	[illegible]	[illegible]
F	MAT'L X4130 WAS W.D.4135 & SPEC AN-QQ-S-684 WAS 57-105 NO WT. CHG.	7/[illegible]	[illegible]
G	ADDED NOTE (5) "N.E. 8739 -- STEEL" (NEG. WT. CHG.)	[illegible]	[illegible]

SD A1315
[illegible], PBY-5A
[illegible] A1316
E.O. A30544
E.O. A32699A
FORGING NOT AFF.
FORGING NOT AFF.
FORG. NOT AFF.



NOTES

1) 7° DRAFT ANGLES.
2) CORNER & FILLET RADII 1/8
3) THIS PART WILL BE H.T. AFTER WELDING AS PART OF 28L5015 ASS'Y.
4) FORGING TOLERANCE +1/16 -1/32 (D) (B)
FINISH MACHINE TOLERANCE ±1/32
WEB THICKNESS +3/64 -1/32 (E)
SHIFT ±1/64
(G) 5) N.E. 8739, SAE 4340 MAY BE USED AS ALTERNATE FOR CHROME-MOLY STEEL

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
	28-5AMN	28L5015	2
	28-5AMC	28L5015	2
	PBY-5A	28L5015	2
FOR FUTURE SPARES ONLY	XPBY-5A	28L4015	2

REQUIREMENTS PER AIRPLANE

REPLACES — 15.2 lb CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± NOTED
SCALE: 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-6	FORGING (SEE NOTE 5)	CHR. MOLY. X4130	AN-QQ-S-684

PARTS LIST PER ASSY.

REQ -0	REQ -2	REQ -3	REQ -4	REQ -5

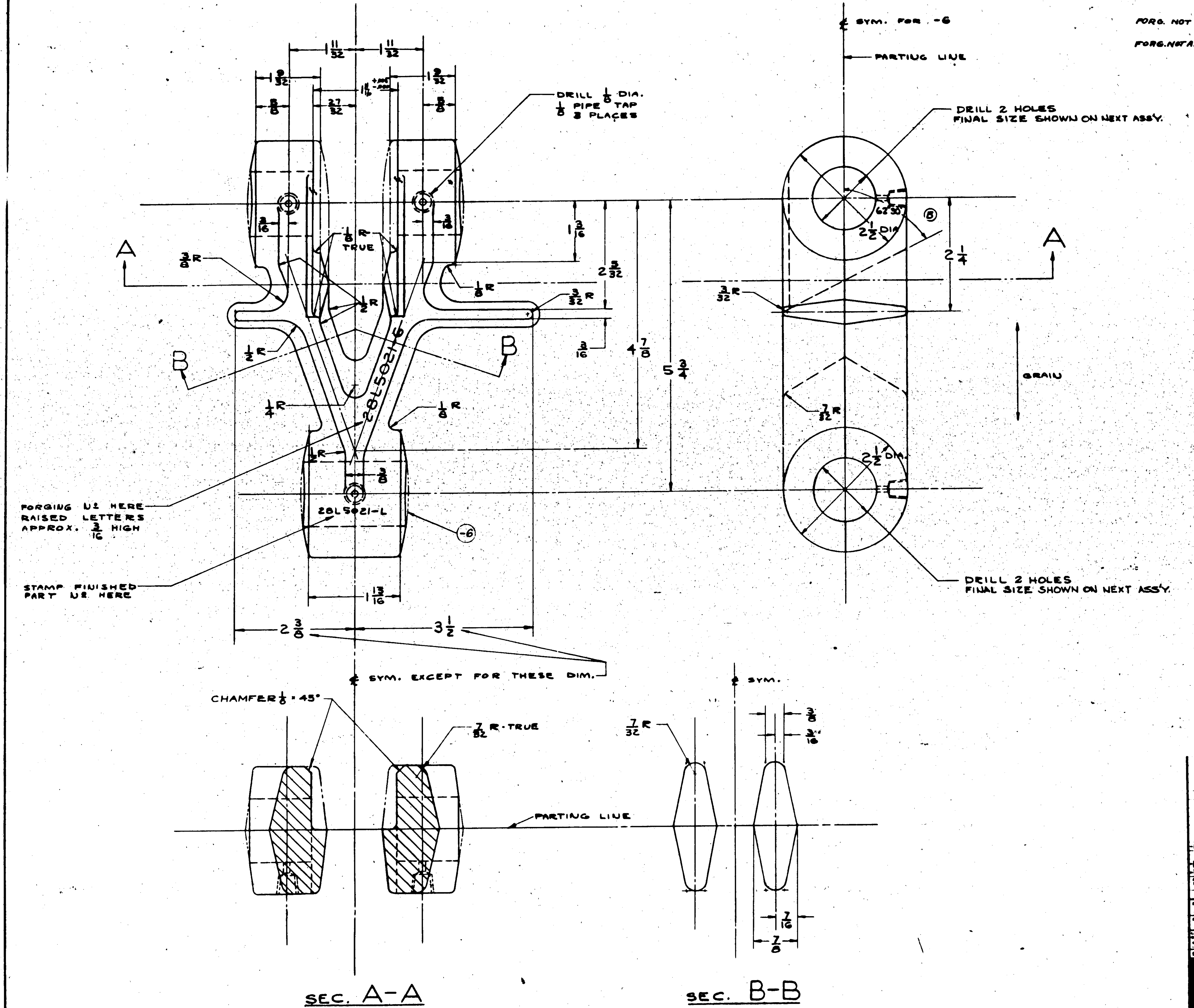
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
A C; NAVY: AS REC'D. (ANNEALED)	NONE	5-29-40 [illegible]	[illegible]	CRECY	[illegible]	[illegible]	JWH

NAME FITTING - MAIN LAND. GEAR LOWER VEE STRUT CENTER

OPP. HAND

DWG. G 28L5012

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	REVISED						
B	CHG'D DRWG TO MAKE IT A LEFT-HANDED PART						
C	MAT. X4130 WAS W.D. 4130 & SPEC. AN-QQ-S-684 WAS 57-105 NO WT. CHG.						
D	ADDED NOTE (5) NE. 8735 - - STEEL" NEG. WT. CHG.						

FORG. NOT AFF.
FORG. NOT AFF.

NOTES:

1) DRAFT ANGLES 7°
2) CORNER RADII 3/32
3) TOLERANCES: DIMENSION ± 1/32 ; SHIFT 1/64 ; MACH. ± .010
4) THIS PART WILL BE H.T. AFTER WELDING AS PART OF 28L5023 ASS'Y.
(D) 5) NE. 8735, 8739, SAE 4340 MAY BE USED AS ALTERNATES FOR CHROME-MOLY. STEEL

DASH	MODEL	NEXT ASSY	REQ
-L&R	28-5AMN	28L5023	1 EA
-L&R	28-5AMC	28L5025-R	1 EA
-L&R	PBY-5A	28L5023-R	1 EA

REQUIREMENTS PER AIRPLANE

REPLACES — 58# CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± NOTED — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
-6	(SEE NOTE 5) FORGING	STEEL-CHR. MOLY.	X4130 AN-QQ-S-684	1 1				

PARTS LIST PER ASSY.

A C / NAVY	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AS REC'D ANNEALED (HEAT TREAT)	NONE	6-12-40					

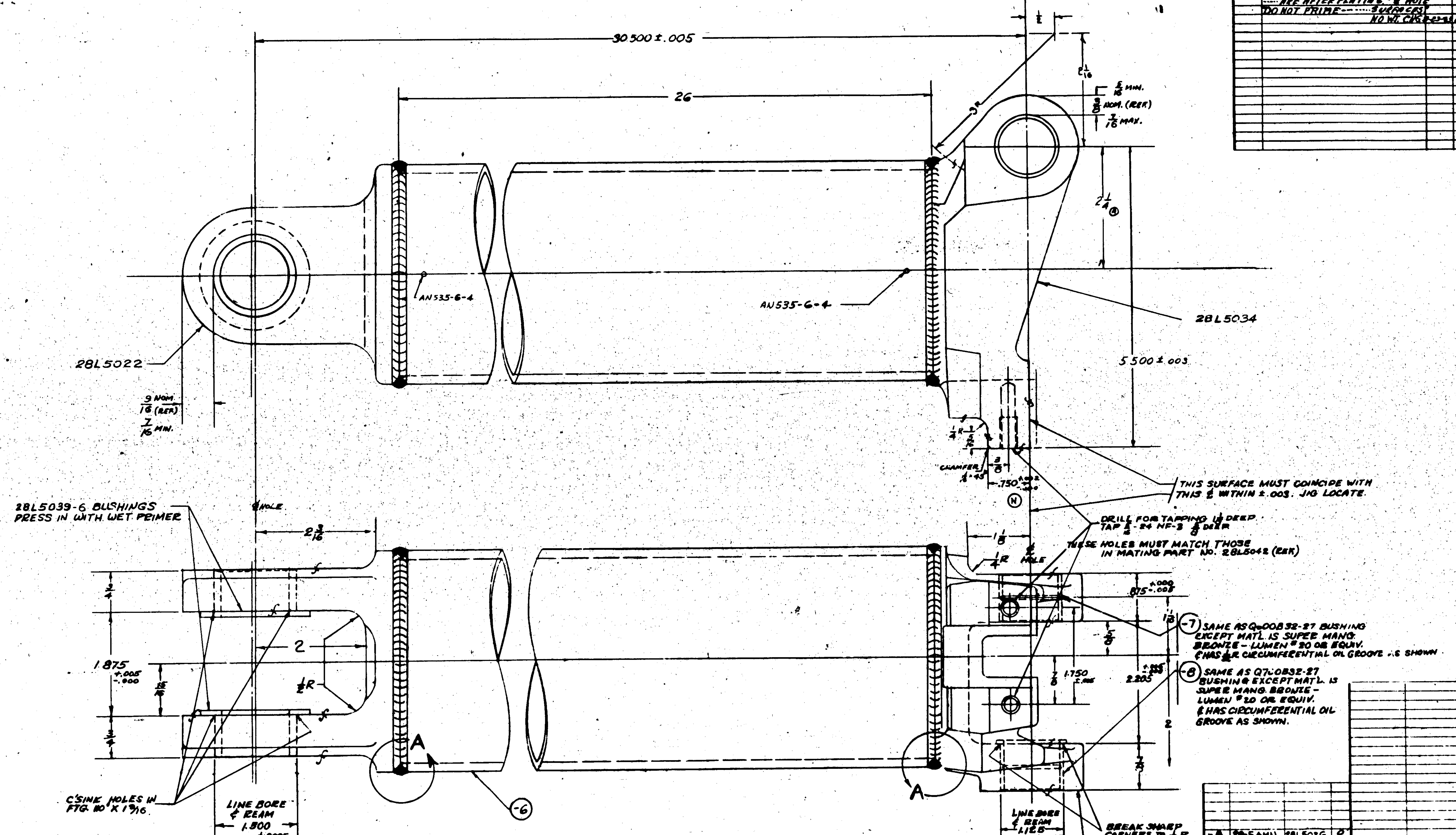
NAME FORK-MAIN LAND. GEAR - UPPER VER STRUT CENTER FITTING

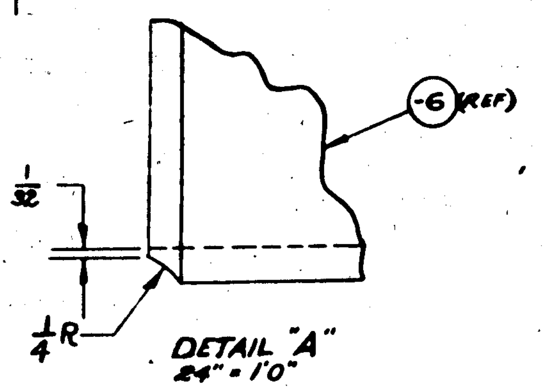
OPP. HAND 28L5021-R

DWG. G 28L5021

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R





DETAIL "A"
24" = 1'0"

NOTE:
ALL FINISH REAMING & MACHINING TO BE DONE AFTER HEAT TREAT.
PLUG ALL TAPPED HOLES AT HEAT TREAT.

HEAT TREAT 115,000 #/in², EXCEPT HEAVY PORTIONS OF END FITTINGS MAY BE 150,000 #/in² MIN.

ROUND CORNERS ON LUGS TO APPROX 1/16 R

PRESS IN BUSHINGS WITH WET PRIMER

FINISH: OUTSIDE C-P
INSIDE DRILL & PLUG CLOSED TUBING FOR PARALKETONE.

(N) DIMENSIONS ON MACHINED SURFACES ARE AFTER PLATING

DO NOT PRIME OR PAINT MACHINED SURFACES

(M) EXTREME CARE SHOULD BE EXCERCIZED IN THE WELDING OPERATION ON FORGINGS OF HIGH-CARBON CONTENT IN ORDER TO ELIMINATE CRACKING

MCR 301-B

LET	ALTERATION	DATE	BY
L	PHOTO TRACED		
M	ADDED NOTE "EXTREME --		
	CRACKING" (NEG. WT. CHG.)	9-14-42	
N	CHANGED DIM. .750 TO		
	.750 ADDED NOTE "DIMS----		
	---- ARE AFTER PLATING" & NOTE		
	DO NOT PRIME---- ----SURFACES"		
	NO WT. CHG.		

FINISH	
Z	ANODIC TREATM'
P	P-27 PRIMER
A*	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-8	28-5AMN	28L5026	2
-8	28-5AMC		2
-8	PBY-5A		2
-7	28-5AMN		2
-7	28-5AMC		2
-7	PBY-5A	28L5026	2
-0	28-5AMN	28L5028	2
-0	28-5AMC	28L5028	2
-0	PBY-5A	28L5026	2

REQUIREMENTS PER AIRPLANE

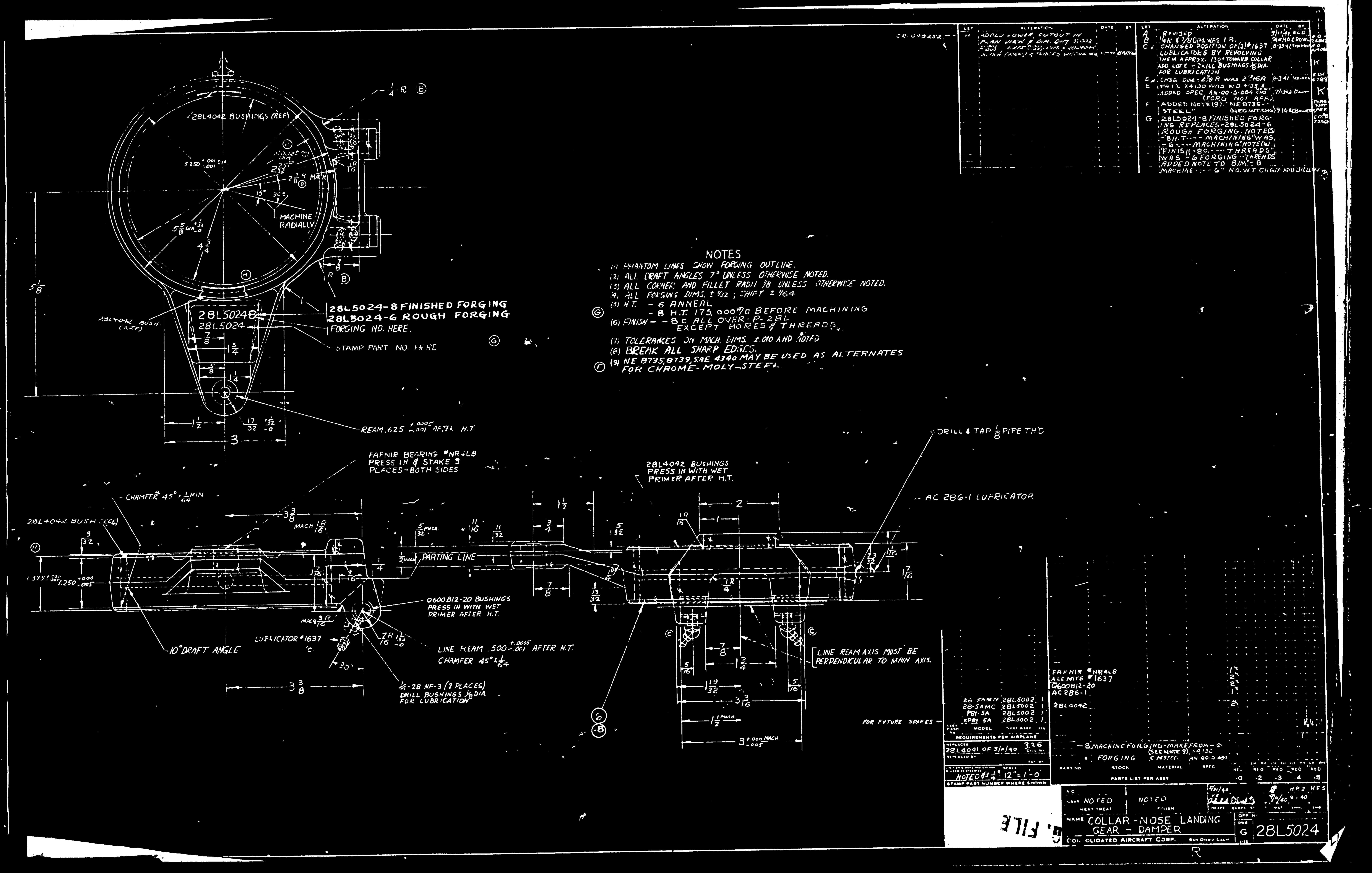
REPLACES — 26# CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

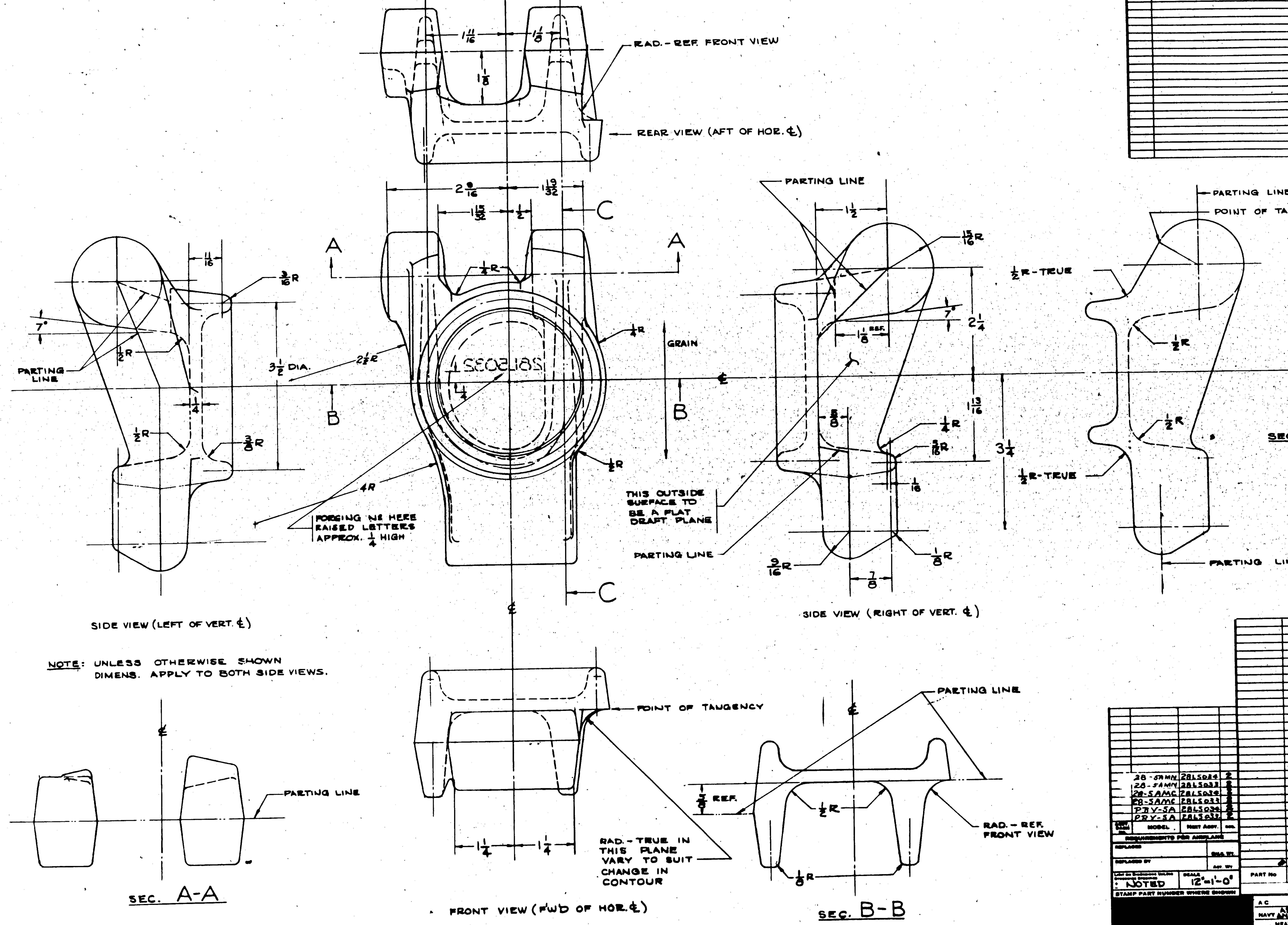
PART No	STOCK	MATERIAL	SPEC	REQ -0
AN535-6-4				2
28L5039-6				2
28L5034				1
28L5022				1
-8	1 3/8 OD X 3/4 ID X 1	SUPER MANG BRONZE LUMEN #20 OR EQUIV.		1
-7	1 5/8 OD X 3/4 ID X 1	SUPER MANG BRONZE LUMEN #20 OR EQUIV.		1
-6	4 X .156 X 26 1/2	C.M. STL. TUBE	44T18	1

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5

A C
HT TREAT: NOTED — FINISH: NOTED
DRAFT 8-16-40 — CHECK — STRUCT 10-14-40 — MAT — APPROV 9-11-41 — ENG.

NAME ASSEMBLY - M.L.G. MAIN STRUT - LOWER HALF
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
OPP. HAND
DWG G 28L5027
R


NOTES
(1) PHANTOM LINES SHOW FORGING OUTLINE.
(2) ALL DRAFT ANGLES 7° UNLESS OTHERWISE NOTED.
(3) ALL CORNER AND FILLET RADII 1/8 UNLESS OTHERWISE NOTED.
(4) ALL FORGING DIMS. ± 1/32 ; SHIFT ± 1/64
(5) H.T. - 6 ANNEAL
- 8 H.T. 175,000#/□ BEFORE MACHINING
(6) FINISH - - 8 C ALL OVER P-2BL EXCEPT BORES & THREADS.
(7) TOLERANCES ON MACH. DIMS. ±.010 AND NOTED
(8) BREAK ALL SHARP EDGES.
(9) NE 8735, 8739, SAE. 4340 MAY BE USED AS ALTERNATES FOR CHROME-MOLY-STEEL
28L4042 BUSHINGS (REF)
MACHINE RADIALLY
28L5024-8 FINISHED FORGING
28L5024-6 ROUGH FORGING
FORGING NO. HERE.
STAMP PART NO. HERE
REAM .625 AFTER H.T.
FAFNIR BEARING #NR4L8 PRESS IN & STAKE 3 PLACES-BOTH SIDES
CHAMFER 45° x 1/64 MIN
28L4042 BUSH (REF)
PARTING LINE
Q600B12-20 BUSHINGS PRESS IN WITH WET PRIMER AFTER H.T.
LUBRICATOR #1637
10° DRAFT ANGLE
LINE REAM .500 AFTER H.T.
CHAMFER 45° x 1/64
1/4-28 NF-3 (2 PLACES) DRILL BUSHINGS 1/8 DIA. FOR LUBRICATION
28L4042 BUSHINGS PRESS IN WITH WET PRIMER AFTER H.T.
DRILL & TAP 1/8 PIPE THD
AC 286-1 LUBRICATOR
LINE REAM AXIS MUST BE PERPENDICULAR TO MAIN AXIS.
FAFNIR #NR4L8
ALEMITE #1637
Q600B12-20
AC 286-1
28L4042
-8 MACHINE FORGING-MAKE FROM -6 (SEE NOTE 9)
-6 FORGING
PARTS LIST PER ASSY
REQUIREMENTS PER AIRPLANE
28-5AMN 28L5002
28-5AMC 28L5002
PBY-5A 28L5002
XPBY-5A 28L5002
FOR FUTURE SPARES
REPLACES 28L4041 OF 3/11/40
NOTED 1/4" 12" = 1-0
STAMP PART NUMBER WHERE SHOWN
NAVY NOTED
NOTED
COLLAR-NOSE LANDING GEAR - DAMPER
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
G 28L5024
A REVISED
B 1/4R & 7/8 DIM. WAS 1R.
C CHANGED POSITION OF (2) #1637 LUBRICATORS BY REVOLVING THEM APPROX. 130° TOWARD COLLAR. ADD NOTE - DRILL BUSHINGS 1/8 DIA. FOR LUBRICATION
E MAT'L X4130 WAS WD 4135 & ADDED SPEC AN-QQ-S-684 CHG (FORG. NOT AFF.)
F ADDED NOTE (9) "NE 8735 - - STEEL"
G 28L5024-8 FINISHED FORGING REPLACES-28L5024-6 ROUGH FORGING. NOTE (5) "8 H.T. - - - MACHINING" WAS "-6 - - - MACHINING" NOTE (6) "FINISH -8C - - - THREADS" WAS "-6 FORGING - - - THREADS" ADDED NOTE TO 8/M - 8 MACHINE - - - 6" NO. W.T. CHG.



NOTES:
1) ALL DRAFT ANGLES 7°
2) CORNER & FILLET RADII 1/8 EXCEPT AS SHOWN.
3) TOLERANCES:
   DIMENSION: ±1/32
   SHIFT 1/64
4) NE. 8739, SAE. 4340 MAY BE USED AS ALTERNATE FOR CHROME-MOLY STEEL. (C)

LET	ALTERATION	DATE	BY
A	REVISED	[illegible]	[illegible]
B	MAT'L. X4130 WAS WD 4135 & SPEC AN-QQ-S-684 WAS 57-105 NO WT. CHG	7/13/[illegible]	[illegible]
C	ADDED NOTE (4): "NE 8739-- STEEL" (NEG. WT. CHG)	[illegible]	[illegible]

MODEL	NEXT ASSY.	NO.
28-5AMN	28L5034	2
28-5AMN	28L5033	2
28-5AMC	28L5034	2
28-5AMC	28L5033	2
PBY-5A	28L5034	2
PBY-5A	28L5033	2

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC
	FORGING	SEE NOTE 4) X4130 C.M. STEEL	AN-QQ-S-684

PARTS LIST PER ASSY.

SCALE: NOTED — 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

HEAT TREAT: AS REC'D / NAVY ANNEALED

FINISH: NONE

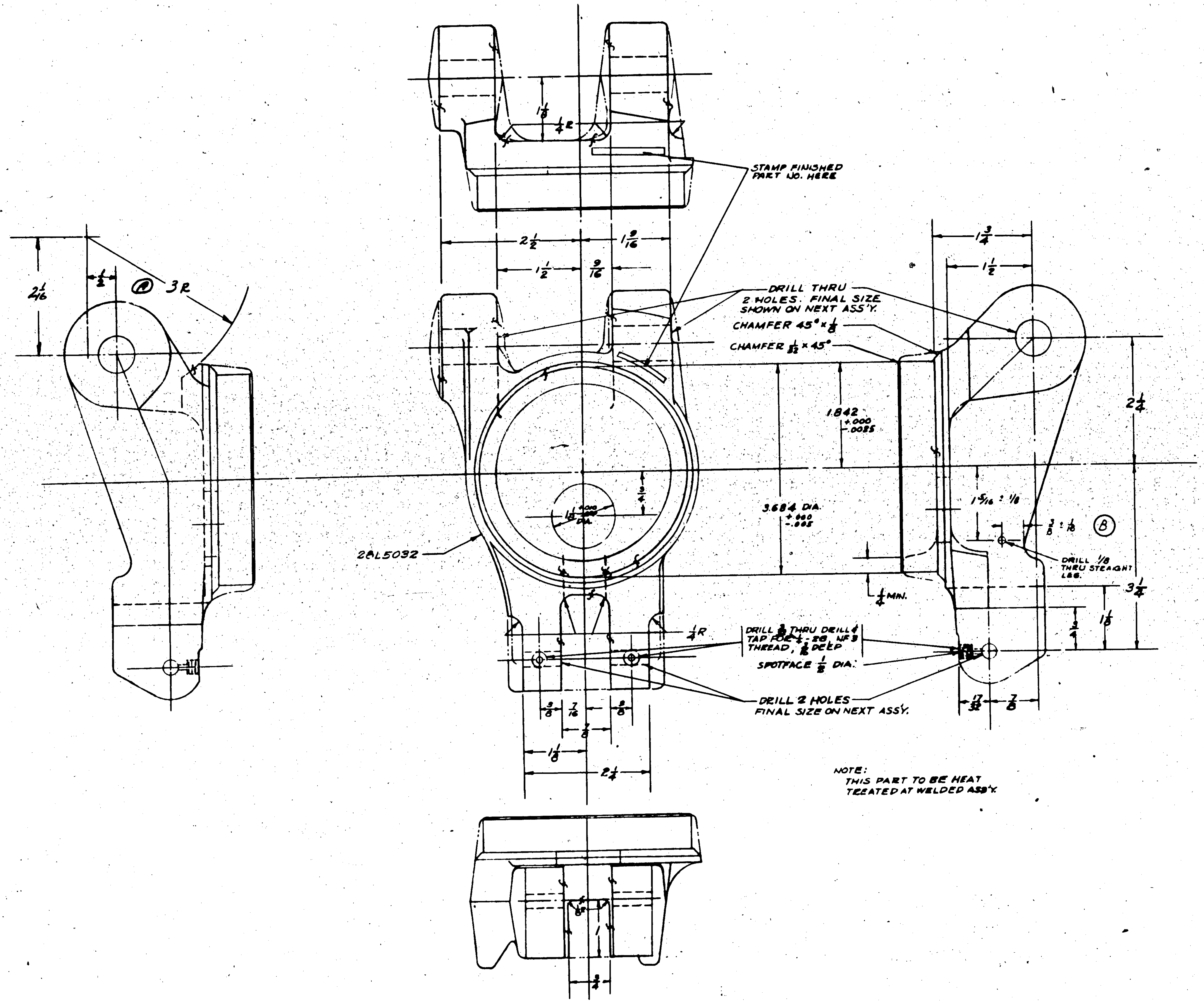
NAME: FORGING-M.L.G.-MAIN STRUT HINGE FITTING

DWG. G 28L5032

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

EA 31680
E.O. A 5930
PBY-5A
OA-10
28-5AMC

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	[illegible]	[illegible]	[illegible]				
B	DRILL NOTE WAS .050. 3/8 DIM. WAS 1/8. ADDED 1 5/16 DIM. TO FACE OF DWG.	[illegible]	[illegible]				



NOTE:
THIS PART TO BE HEAT TREATED AT WELDED ASS'Y.

MODEL	NEXT ASSY	REQ
OAU-1	28L5024[illegible]	2
28-5AMC	28L5024[illegible]	2
PBY5A	[illegible]	2

REQUIREMENTS PER AIRPLANE

CALC. WT: L1
TOLERANCE: ± .010
SCALE: 12" = 1'-0"

PART No.	STOCK	MATERIAL	SPEC
28L5032			

PARTS LIST PER ASSY.

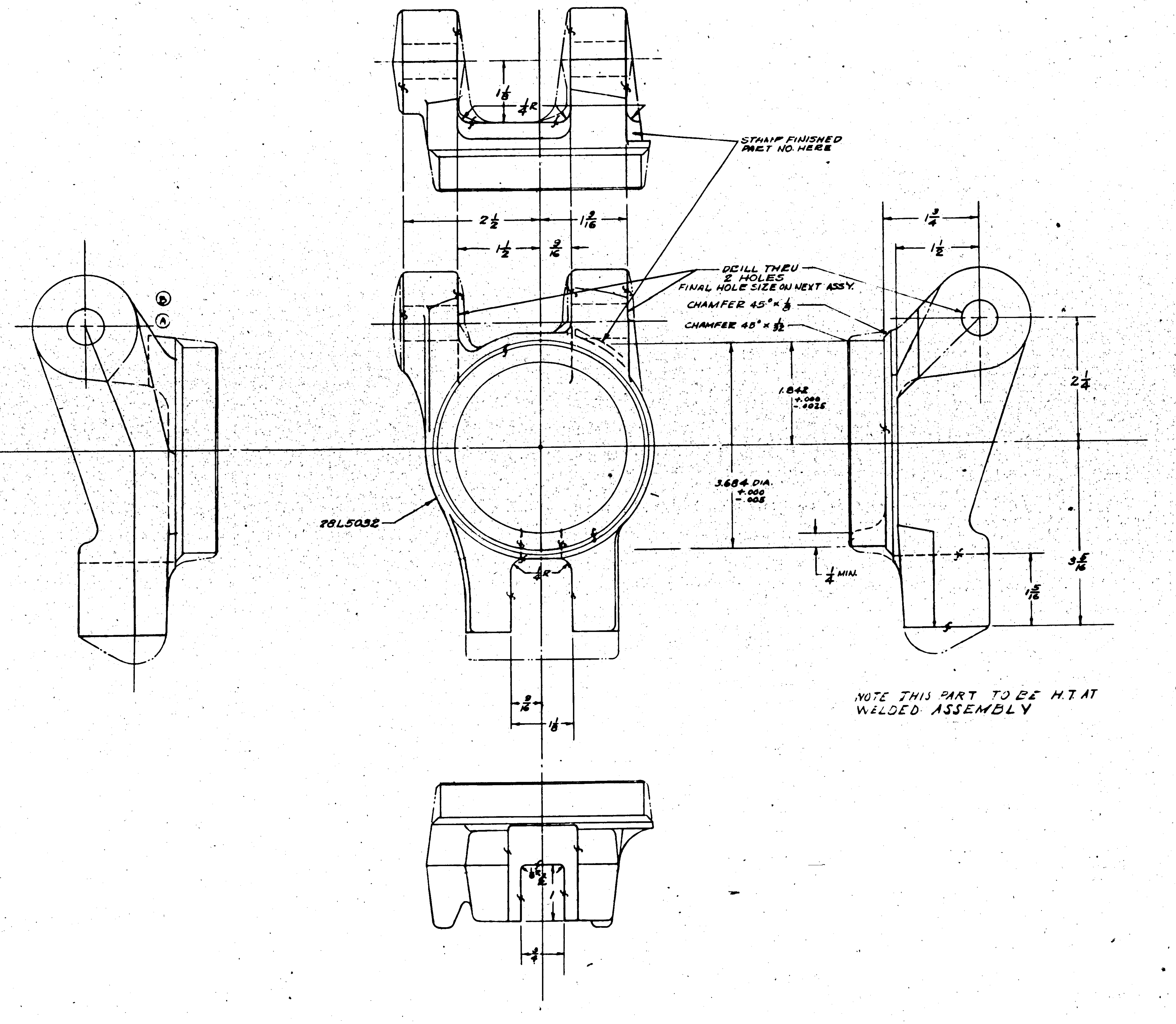
HEAT TREAT: NAVY NOTED
FINISH: NONE
DRAFT: 8-9-40

NAME: HINGE FITTING – M.L.G. MAIN STRUT – UPPER HALF

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28L5033

LET	ALTERATION	DATE	BY
A	[illegible]	1-6-41	[illegible]
B	[illegible]	[illegible]	[illegible]



	MODEL	NEXT ASSY.	NO.
	OAU-1	28L5027	2
	28-5AMC	28L5027	2
	PBY5A	28L5027	2

REQUIREMENTS FOR AIRPLANE

REPLACES — CALC. WT. 6.8#

REPLACED BY — ACT. WT.

LIMITS: ± .010 — SCALE 12" = 1'-0"

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
28L5032				1				

PARTS LIST PER ASSY.

A.C.		
NAVY NOTED	NONE	8-8-40
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

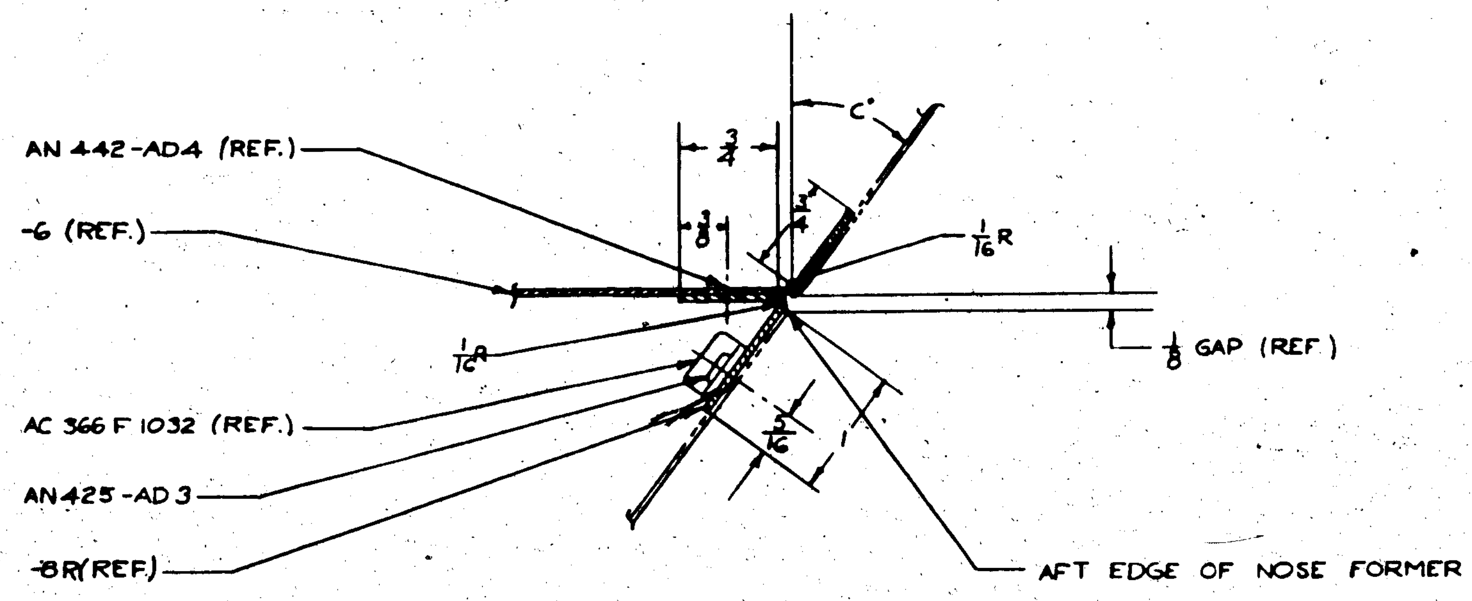
NAME HINGE FITTING – M.L.G. MAIN STRUT – LOWER HALF

G 28L5034

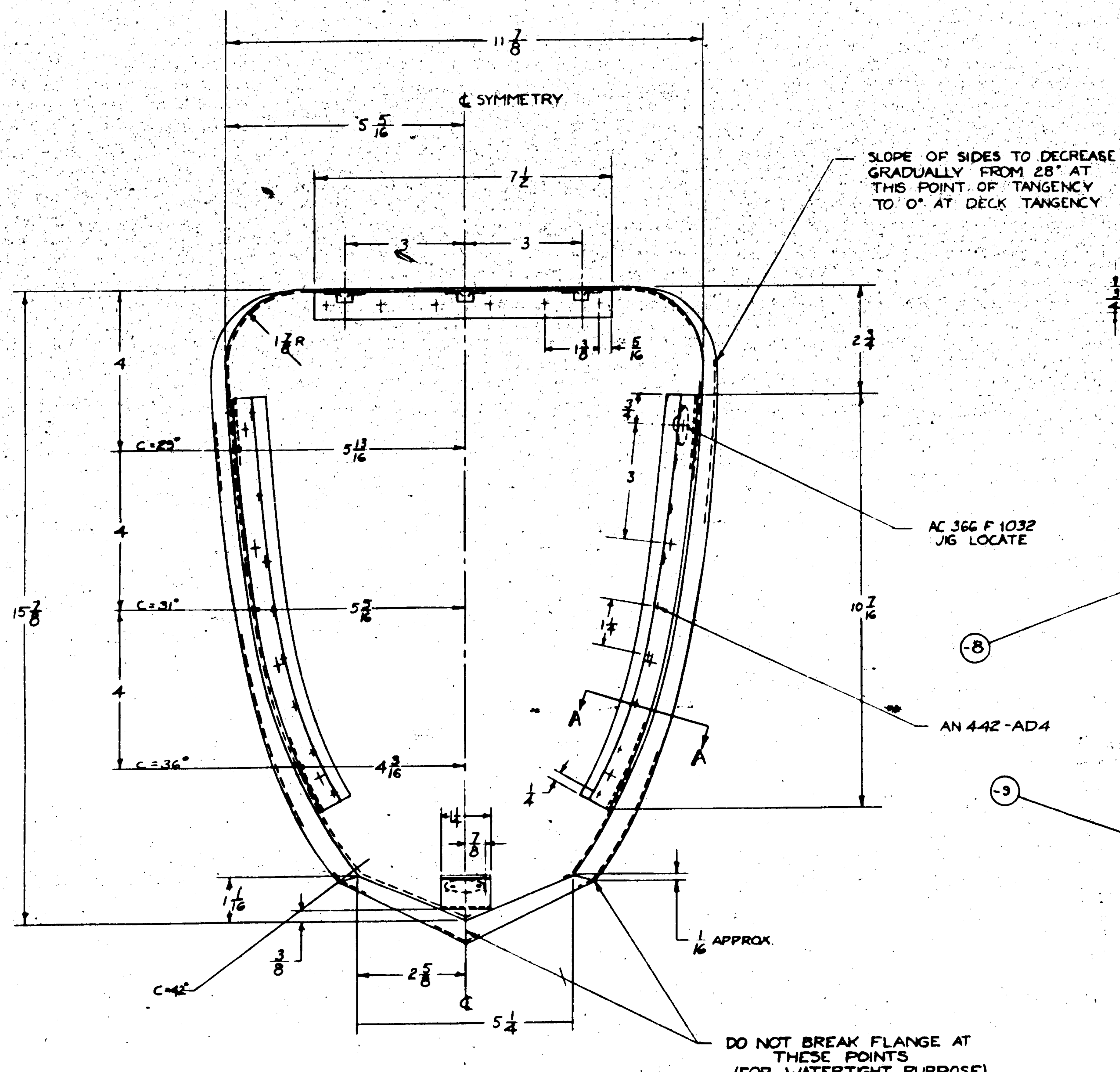
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

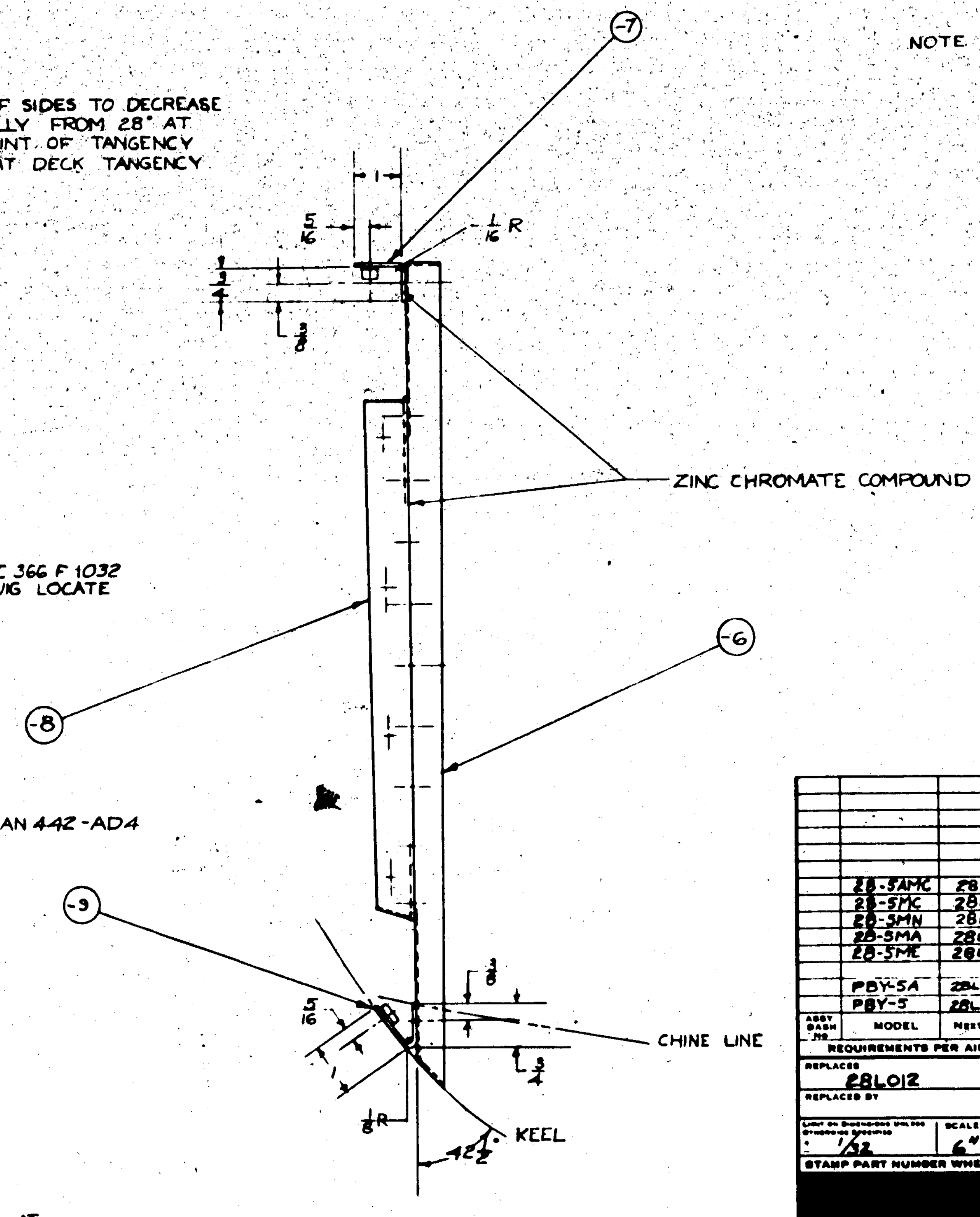
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	DRWG TRAC FROM BREWSTER B-30059	4-16-41	BRADY				



SECTION A-A
FULL SIZE



VIEW LOOKING AFT



FORWARD

NOTE - FOR NOSE BUMPER ATTACHMENT SEE 28L5052

FINISH CODE	
Z	ANODIC TREATM.
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	28-5AMC	28L2002	2
	28-5MC	28L2002	2
	28-5MN	28L2002	2
	28-5MA	28L2002	2
	28-5ME	28L2002	2
	PBY-5A	28L2002	2
	PBY-5	28L2002	2

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	REQ -0
AN-442-AD4				12
AC-366F1032				
AN-425AD3				
-9	.032×1 3/8×1 1/4	AL.ALC. SHT	47A8 (A)	1
-8R	.032×1 3/4×10 1/2	AL.ALC. SHT	47A8 (A)	1
-8L	.032×1 3/4×10 1/2	AL.ALC.SHT	47A8 (A)	1
-7	.032×1 3/4×7 1/2	AL.ALC. SHT	47A8 (A)	1
-6	.040×14×18	AL.ALLOY.SHT	47A10 (A)	1

PARTS LIST PER ASSY

REPLACES 28L012 — 2.65 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'0

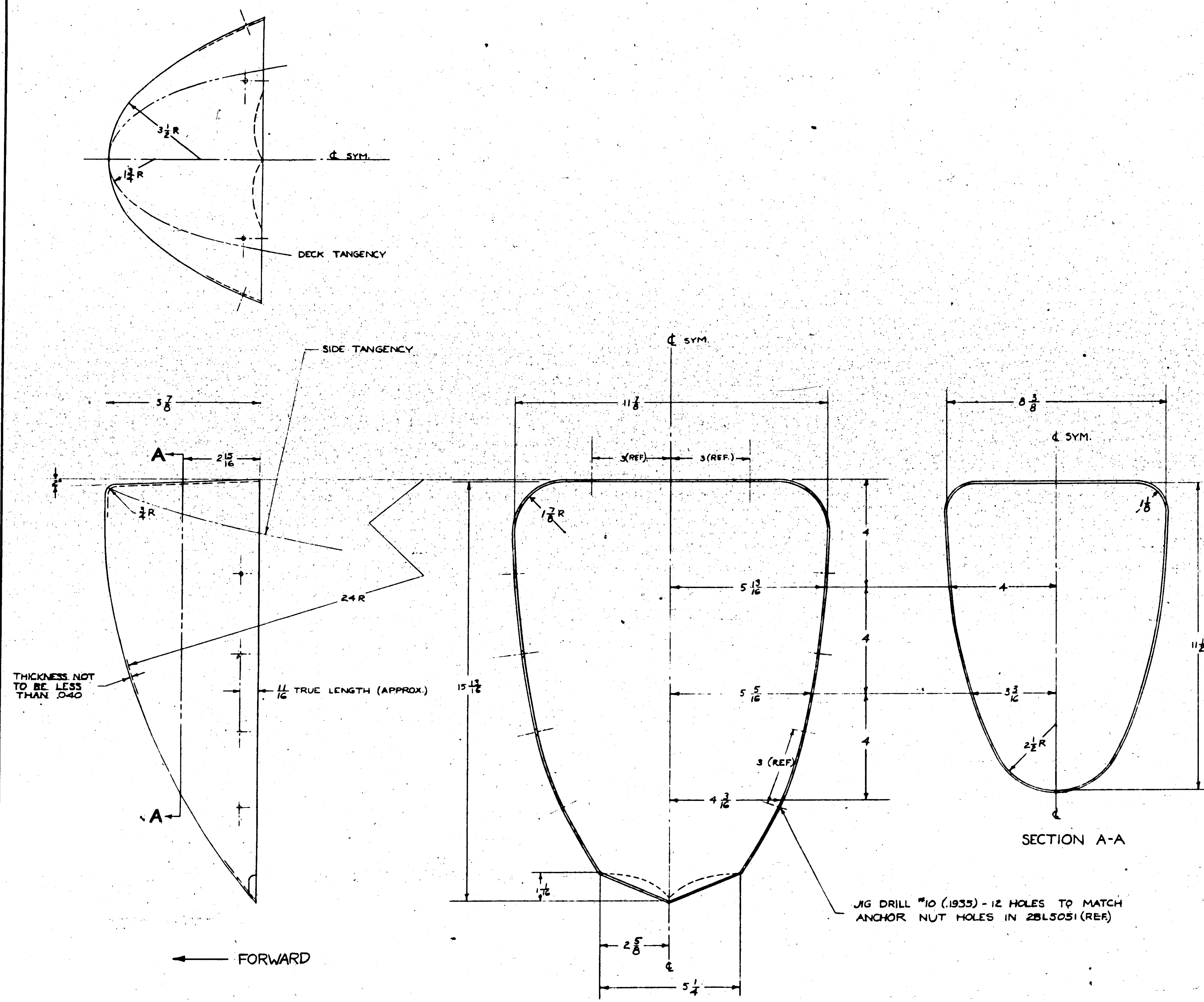
STAMP PART NUMBER WHERE SHOWN

A C		4-17-41					
NAVY SR-53	Z-P-AP	BRADY					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME BELT FRAME 0.33 FLOAT

DWG SIZE G — 28L5051

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	DRWG. TRA. FROM BREWSTER #B-30060	4-14-41	Brady				

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	28-5AMC	28L2002	2
	28-5MC	28L2002	2
	28-5MN	28L2002	2
	28-5MA	28L2002	2
	28-5ME	28L2002	2
	PBY-5B	28L2002	2
	PBY-5A	28L2002	2
	PBY-5	28L2002	2

REQUIREMENTS PER AIRPLANE

REPLACES 28L018 — 2.65 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.051 × 21 × 27⅛	ALCLAD SHT	47A8 (A)	1				

PARTS LIST PER ASSY.

A C		4-17-41			MEO		
NAVY SR53	Z-P-AP	BRADY					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

OPP. HAND

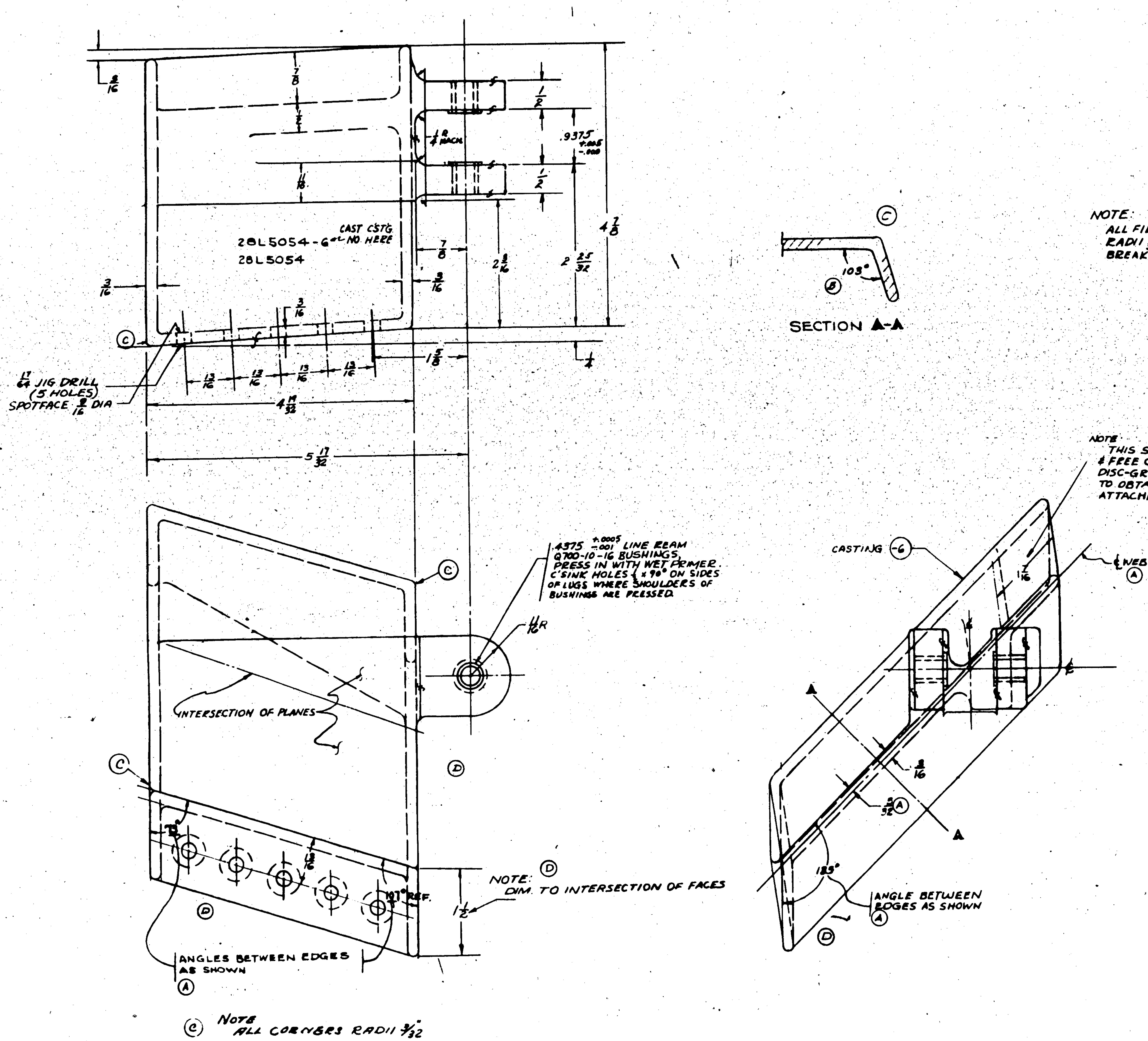
NAME BUMPER-FLOAT-NOSE

DWG. SIZE G — 28L5052

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	INCORP. E.O. #31795 — CHG'D ANGLE NOTE, ADDED Ø & 3/32 DIM., MADE 3 13/32 & REF. DIM.	[illegible]	[illegible]
B	ADDED SECTION A-A & 105° DIMENSION	[illegible]	[illegible]
C	3/16 R REMOVED & REPLACED BY 3/32 R. - NOTE ADDED	[illegible]	[illegible]
D	1 1/2 DIM. WAS 1 7/8. NOTE ADDED REMOVED 3 13/32 DIM. NO WT. CHG.	[illegible]	[illegible]

E.O. 33016 (C)
E.O. #AR0611C (D)



NOTE:
ALL FILLET RADII 3/16 & ALL CORNER RADII 1/32 EXCEPT AS NOTED
BREAK ALL SHARP CORNERS.

NOTE:
THIS SURFACE MUST BE SMOOTH & FREE OF IMPERFECTIONS. A LIGHT DISC-GRINDER CUT IS PERMISSIBLE TO OBTAIN A SMOOTH SURFACE FOR ATTACHING ANGLE.

(C) NOTE
ALL CORNERS RADII 3/32

FINISH CODE	
Z	ANODIC TREATM.
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY	NO.
	28-5AMN	28L5004	1
	OAU-1	28L5004	1
	28-5AMC	28L5004	1
	PBY5A	28L5004	1

REQUIREMENTS PER AIRPLANE

REPLACES — .95# CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 CSTG. ±.010 MACH. — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -6
Q700-10-16								2
-6	CASTING	AL. ALLOY	M-165					1

PARTS LIST PER ASSY.

A C
NAVY 42,000# — HEAT TREAT
Z-P — FINISH
DRAFT 10-26-40 — CHECK — STRUCT — MAT — APPROV — ENG.

OPP. HAND

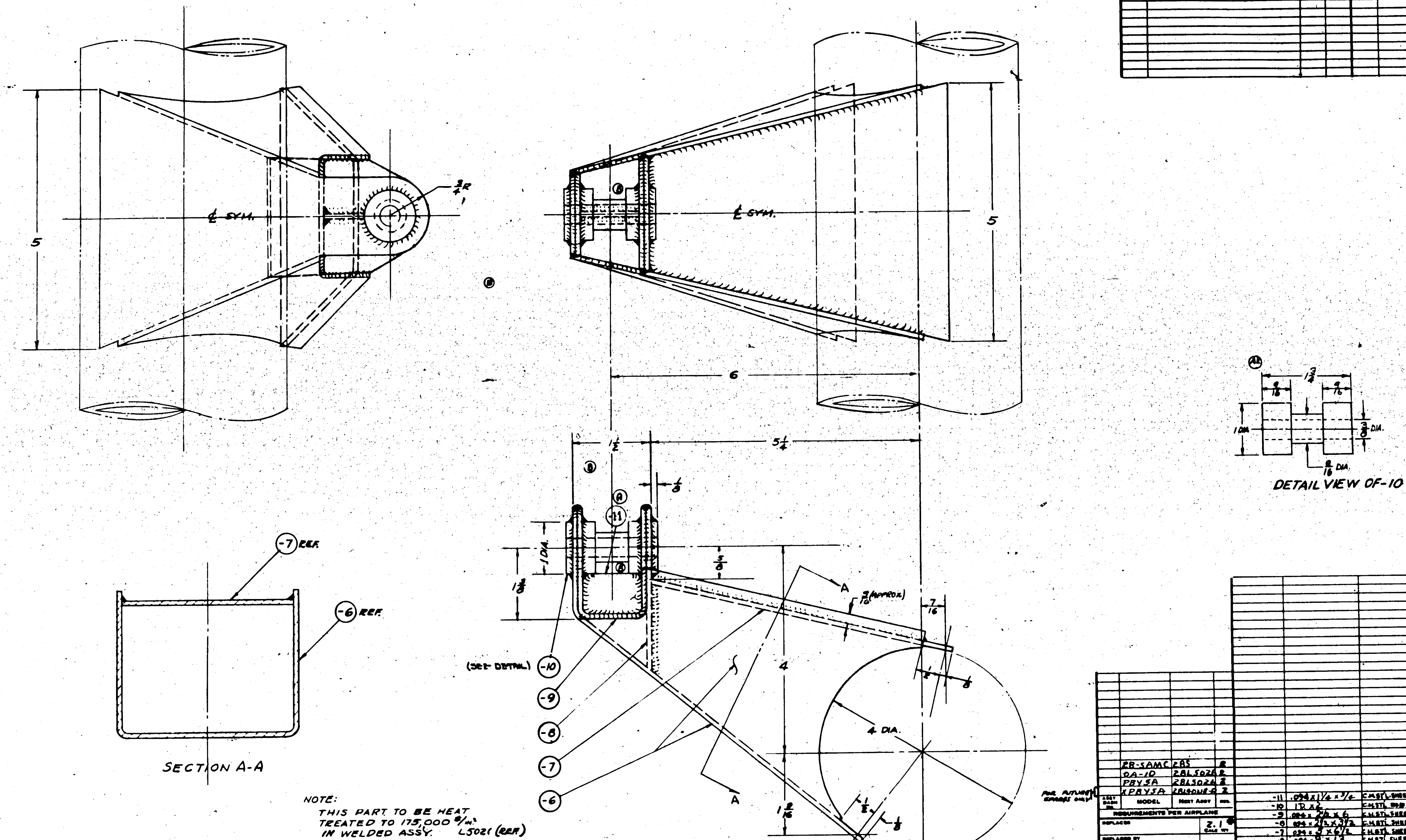
NAME: FITTING — N.L.G.— RETRACTING JACK

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28L5054

R

LET	ALTERATION	DATE	BY
A	[illegible] TO [illegible]	[illegible]	[illegible]
B	ADDED DETAIL VIEW OF -10 & REQ (1) [illegible] FOR -10	[illegible]	[illegible]



NOTE:
THIS PART TO BE HEAT TREATED TO 175,000 #/in² IN WELDED ASSY. L5021 (REF)

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	28-5AMC	28S	2
	OA-10	28L5026	2
	PBY5A	28L5026	2
(FOR FUTURE ORDERS ONLY)	XPBY5A	28140218-R	2

REQUIREMENTS PER AIRPLANE

REPLACES	2.1 CALC WT
REPLACED BY	ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0
-11	.094 x 1 1/4 x 3/4	C.M.STL. SHEET	47814	1
-10	1D x 2	C.M.STL. ROD	46523 GR.A	1
-9	.094 x 2 1/2 x 6	C.M.STL. SHEET	47814	1
-8	.094 x 2 1/2 x 3 1/2	C.M.STL. SHEET	47814	1
-7	.094 x 5 x 6 1/2	C.M.STL. SHEET	47814	1
-6	.094 x 9 x 13	C.M.STL. SHEET	47814	1

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NOTED	NONE	6-27-40					
HEAT TREAT	FINISH						

NAME ARM - M.L.G. - MAIN STRUT OPERATING

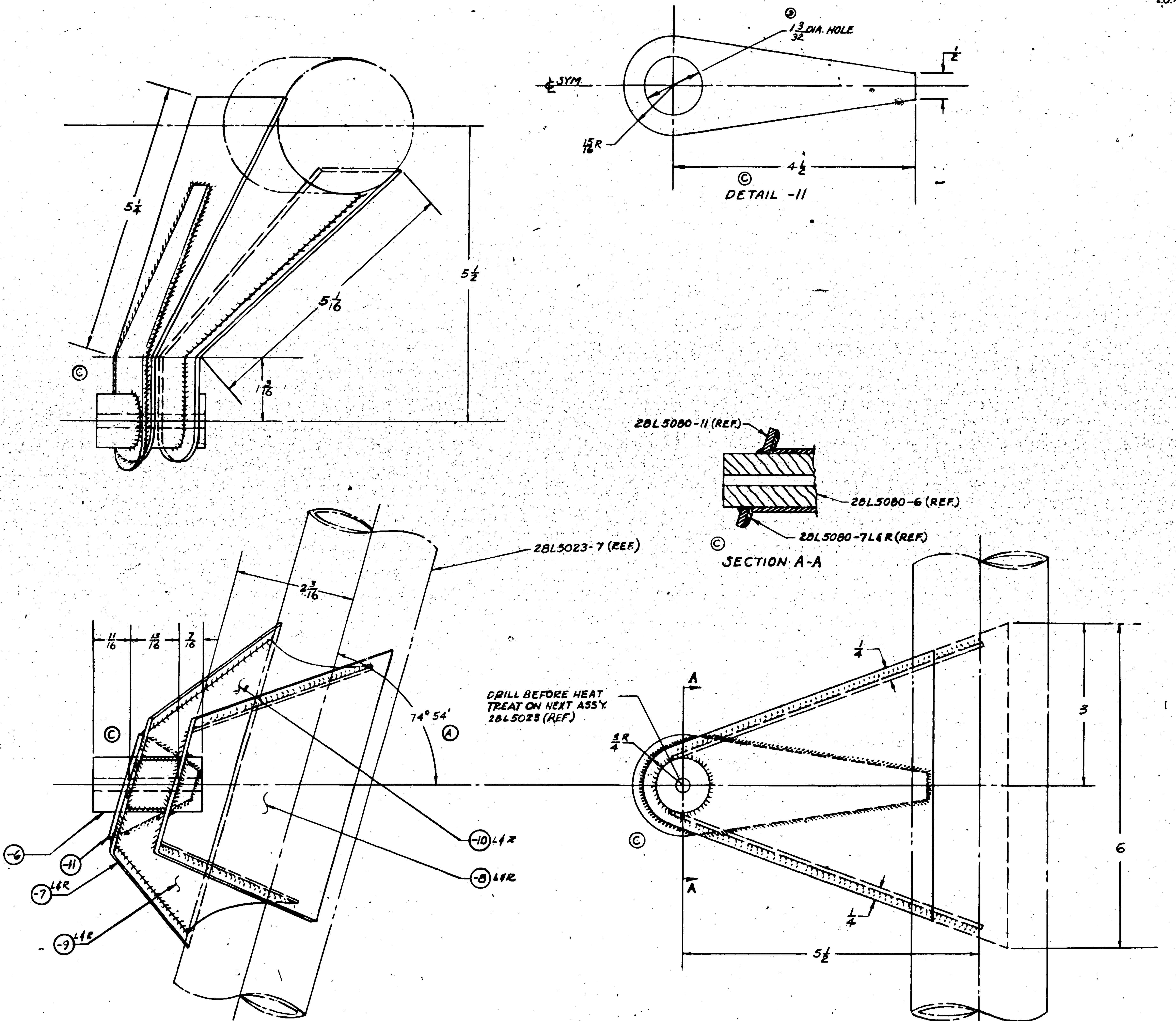
OPP. HAND

DWG SIZE G 28L5063

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

F.O. #30818
PBY-5A, 28-5AMC, OA-10
E.O.C. 3008
E.O. A15074

LET.	ALTERATION	DATE	BY
A	74°54' ANGLE WAS 74½°	11-3-40	[illegible]
B	IN DIM -7R -8R -9R & -10R WERE -7 -8 -9 & -10	2-6-41	[illegible]
C	ADDED -11 & SECTION A-A WT. CHG. 1.80 CALC. WT. 1.70 WAS 1.5	2-26-42	[illegible]
D	1 3/32 HOLE WAS 1" DIA. APPROX. -11 STOCK LGT. WAS 5 1/2	[illegible]	[illegible]



ASSY DASH No.	MODEL	NEXT ASSY	NO.
-L & R	28-5AMN	28L5023	1 EA
-L & R	28-5AMC	28L5023-R	1 EA
-L & R	PBY-5A	28L5023-R	1 EA

REQUIREMENTS PER AIRPLANE

REPLACES — 1.70 CALC. WT.

REPLACED BY — ACT. WT.

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH
-11	.125 x 2 x 5 3/8	C.M. STL. SHEET	47S14	1	
-10	.078 x 5 1/2 x 6 1/2	C.M. STL. SHEET	47S14		1
-10L	.078 x 5 1/2 x 6 1/2	C.M. STL. SHEET	47S14	1	
-9R	.078 x 5 1/2 x 6 1/2	C.M. STL. SHEET	47S14		1
-9L	.078 x 5 1/2 x 6 1/2	C.M. STL. SHEET	47S14	1	
-8R	.078 x 5 1/4 x 7 3/4	C.M. STL. SHEET	47S14		1
-8L	.078 x 5 1/4 x 7 3/4	C.M. STL. SHEET	47S14	1	
-7R	.078 x 6 1/4 x 7 3/4	C.M. STL. SHEET	47S14		1
-7L	.078 x 6 1/4 x 7 3/4	C.M. STL. SHEET	47S14	1	
-6	1 DIA. x 2 1/8	C.M. STL. ROD	46S23 GR. A	1	1

PARTS LIST PER ASSY. (REQ. -0, -2, -3, -4, -5)

AC		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NONE	GUELDNER 10-10-40	CALDERA	GREEN	[illegible] 10/22/40	[illegible] 10/22/40	JML
HEAT TREAT	FINISH						

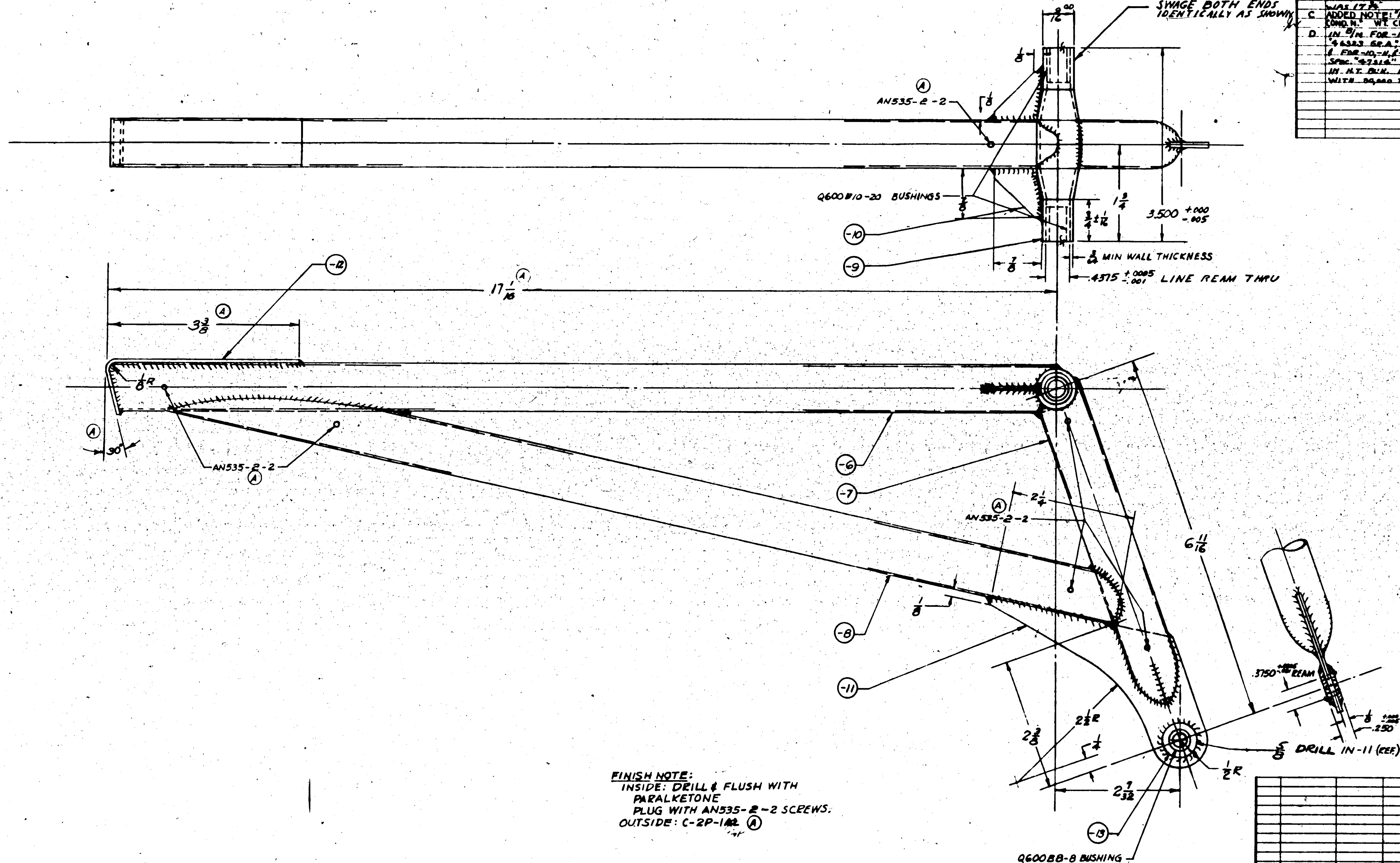
NAME ARM - M.L.G - VEE STRUT - RETRACTING JACK

OPP. HAND 28L5080-R

G 28L5080

R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



PBY-5A E.O. A15064
28-5AMC, OA-10

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	AN535-2-2 WAS AN535-00-2 ON FACE (4 PLS) & IN B/M. ON FACE 17 1/16 WAS 17 3/32, 3 3/8 WAS 3 7/16 & ADDED 30° DIM. ALTERED -12 & -8	[illegible]	[illegible]				
B	TUBING IN B-M FOR -6 18" WAS 17 1/4, -7 7" WAS 6 1/2 & -8 19" WAS 17 3/4 NEG. WT. CHG.	[illegible]	[illegible]				
C	ADDED NOTE: "ALTERNATE --- COND. N." WT. CHG. NEG.	[illegible]	[illegible]				
D	IN B/M FOR -13 REPLACED SPEC "46323 GR. A" WITH "AN-QQ-S-684" & FOR -10, -11, & -12 REPLACED SPEC. "47314" WITH "AN-QQ-S-685". IN H.T. BLK. REPLACED "NORMALIZE" WITH 90,000 TO 125,000 #/□". NO WT CHG.	5-[illegible]	[illegible]				

FINISH NOTE:
INSIDE: DRILL & FLUSH WITH PARALKETONE
PLUG WITH AN535-2-2 SCREWS.
OUTSIDE: C-2P-1A2 (A)

(C) * ALTERNATE MATERIAL FOR -6, -7 & -8: CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
Q600B10-20				2
Q600B8-8				1
AN535-2-2				6
-13	5/8 DIA x 1/2	C.M. STL. ROD	AN-QQ-S-684	1
-12	.063 x 1 3/8 x 3 3/8	C.M. STL. SHT.	AN-QQ-S-685	1
-11	.094 x 2 1/2 x 4.[illegible]	C.M. STL. SHT.	AN-QQ-S-685	1
-10	.63 x 1 x 1	C.M. STL. SHT.	AN-QQ-S-685	2
-9	[illegible] O.D. x .065 x 3 [illegible]	C.M. STL. TUBE	44T18	1
* -8	[illegible] O.D. x .035 x 19	C.M. STL. TUBE	44T18	1
* -7	[illegible] O.D. x .035 x 7	C.M. STL. TUBE	44T18	1
* -6	[illegible] O.D. x .035 x 18	C.M. STL. TUBE	44T18	1

PARTS LIST PER ASSY.

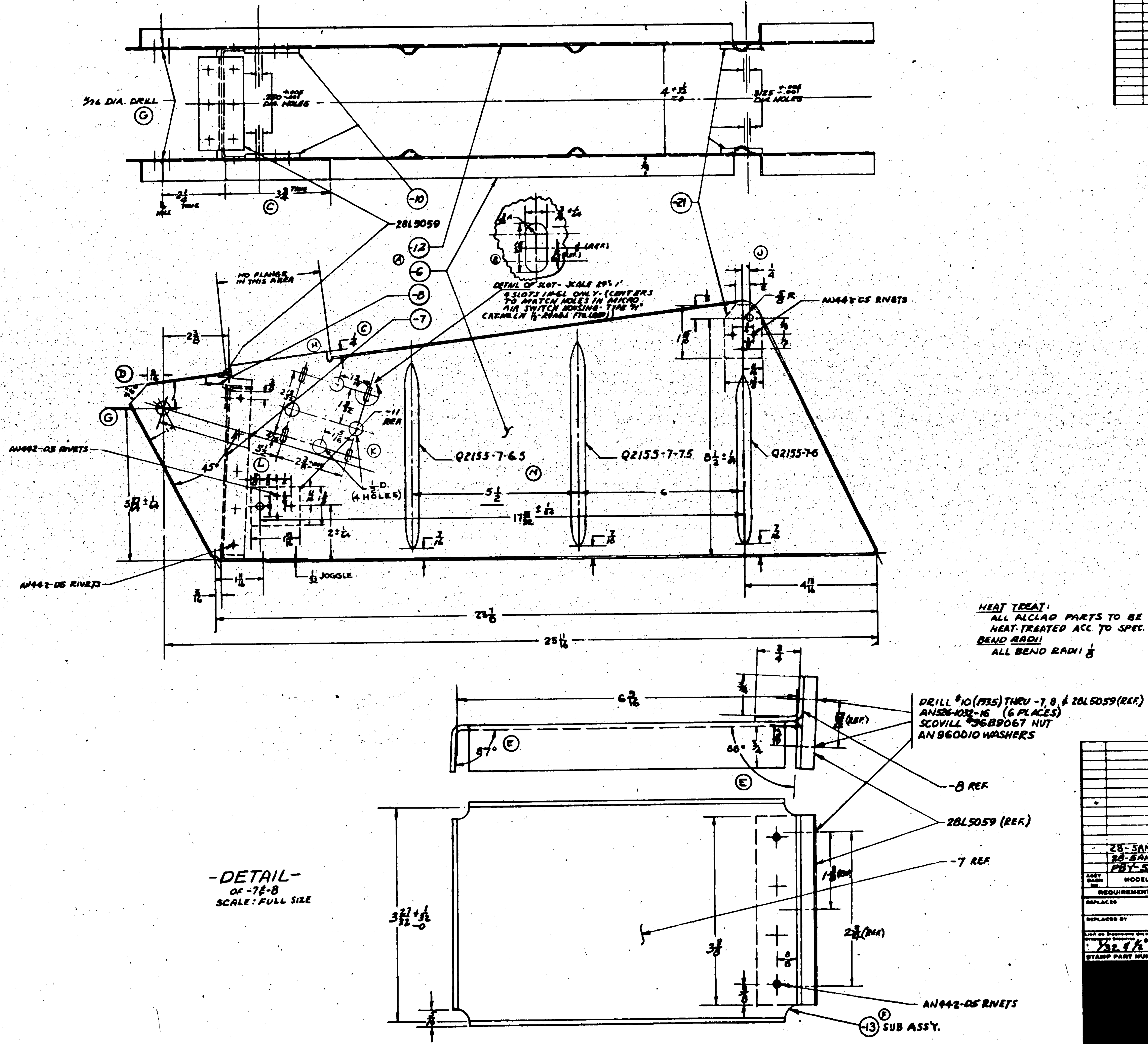
ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	28-5AMN	28L5003	2
	28-5AMC	28L5003	2
	PBY-5A	28L5008	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 1.4[illegible]
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
A C / NAVY 90,000 TO 125,000 #/□"	NOTED	[illegible] 1-5-40	[illegible]	[illegible]	DMW	[illegible]	[illegible]

NAME: ARM-M.L.G.-BUMPER
OPP. HAND
DWG. G 28L5086
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



HEAT TREAT:
ALL ALCLAD PARTS TO BE HEAT-TREATED ACC TO SPEC. SR-53

BEND RADII
ALL BEND RADII 1/8

	LET	ALTERATION	DATE	BY
E.O. A54561	J	REMVD -11(2) & ADD -21(2). NO WT CH.	8-7-42	
E.O. A50730	K	REMVD DIM 1 7/16 & ADD DIM 1 5/16 NO WT CH	8-7-42	
	L	5½ DIM WAS 5 NO WT CHG	6-8-43	
E.O. B2266	M	5½ DIM. WAS 6 WT. CHG NEG.	7-21-43	

LET	ALTERATION	DATE	BY
A	CHANGED TO -6 & -12 WAS -6L & -6R & CHANGED -7 SPEC TO 47AB-COND A. WAS 47AB-COND T		
B	CHANGED DIMS. ON DETAIL OF SLOT		
C	DIM. WAS ..., ADDED ... DIMENSION	1-3-41	
D	REMOVED 1R & ADDED 1, 1 5/16 & 45° DIMENSIONS E.O. 31723	1-28-41	
E	ADDED ... & 87° ANG. DIMENSION & REMOVED 2½° E.O. 37746	1-28-41	
F	ADDED -13 SUB ASSY.	2-26-41	
G	REMOVED -9 & DIMENS. FACE & ... REMOVED LINE REAM .500 & ADDED ... DIA. DRILL, CHANGED TOLERANCE ON .250 & .3125 LINE REAM TO .005 WAS .0005 ON FACE		
H	ADDED ½ DIA. (4 HOLES); DIM. 1 5/16, 1 5/16 & 1 13/32. DIM. 2 3/8 ± .010 WAS 1 5/16 ± 1/64, 5/16 WAS ..., 2 ... WAS 2 3/8 & 1 13/32 (REF.) 6 WAS 4 ... NO. WT. CHG.	7-16-42	FUNK

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	REQ -0
28L5059	(PLATE)			1
-8	.081 x 1¾ x 3½	ALCLAD SHEET	47AB COND. T	1
-7	.081 x 5¾ x 8	ALCLAD SHEET	47AB COND. A	1
-13	SUB ASSY.			
AN442-D5				
AN960D10				6
SCOVILL #96B9067				6
AN526-1032-16				6
-21	.187 x 1½ x 2 1/8	ALCLAD SHEET	47AB COND. T	2
-10	.187 x 1½ x 2	ALCLAD SHEET	47AB COND. T	2
-13	SUB ASSY			1
-12	.064 x 10 ... x 28 ...	ALCLAD SHEET	47AB COND. A	1
-6	.064 x 10 ... x 20 ...	ALCLAD SHEET	47AB COND. A	1

PARTS LIST PER ASSY.

MODEL	NEXT ASSY	REQ
28-5AMN	28B5519	2
28-5AMC	28B5519	2
PBY-5A	28B5519	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT. 3.8#

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 & ½° — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

NAVY: NOTED (HEAT TREAT) — FINISH: Z-2P-1 ... — DRAFT: 11-1-40

NAME: FRAME - M.L.G. - BUMPER SUPPORT

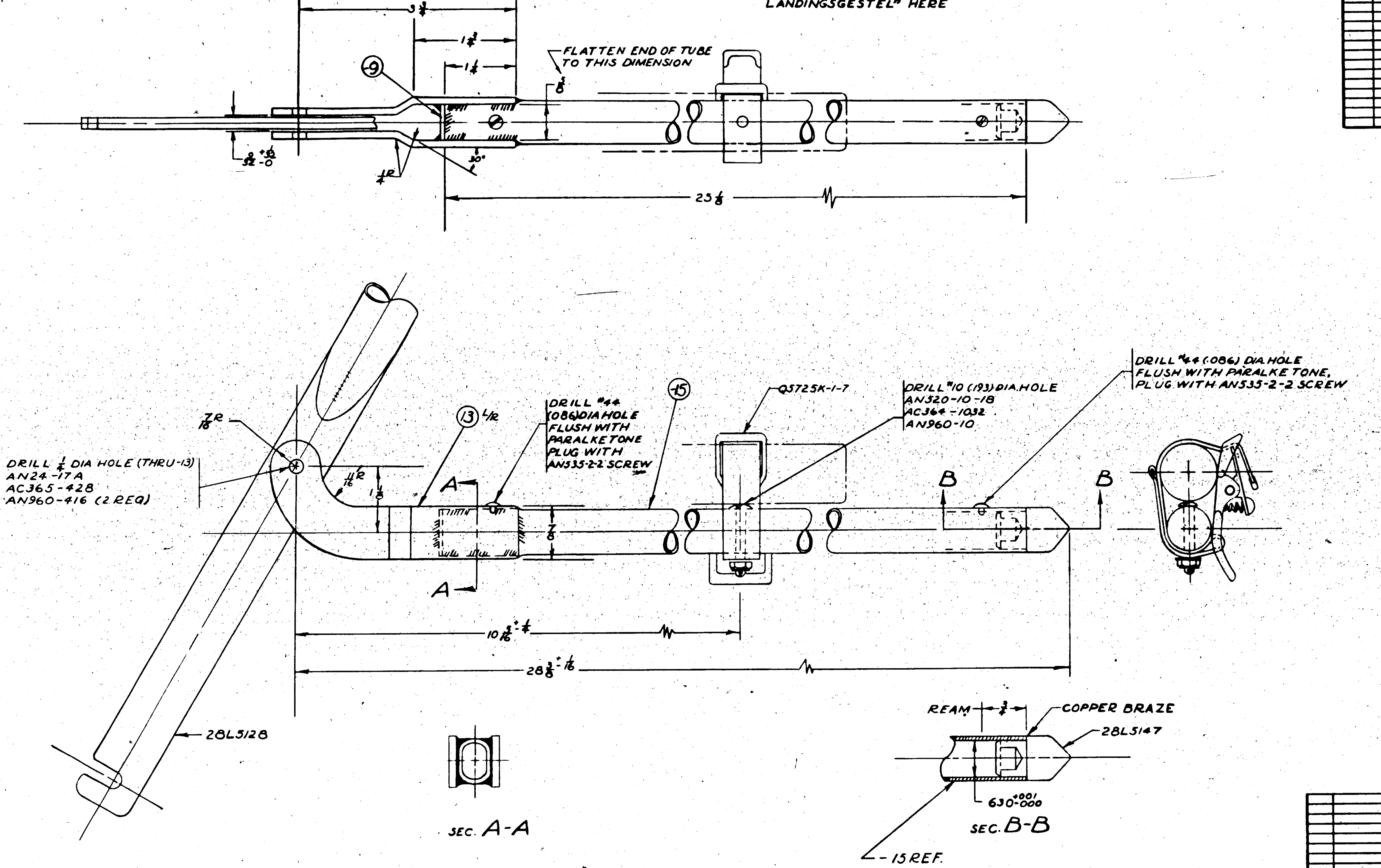
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28L5087

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				M	TRACED NO WT CHG.	[illegible]	REID

STENCIL IN BLACK LETTERS 3/8 HIGH (THIS SIDE) "EMERGENCY DOWN LATCHING ROD" FOR -2 ASS'Y STENCIL "NOODBEDIENING LANDINGSGESTEL" HERE



NOTE: ALTERNATE MATERIAL FOR -15, CHROME-MOLLY WELDED TUBING; AN-T-3 TYPE I COND. N. OR CHROME-MOLY SEAMLESS TUBING AN-WW-T-850, COND N.

HEAT TREAT NOTES

-11 SUB ASS'Y NORMALIZE - BREAK ALL CORNERS.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-2	28-5AMN	28F5227	1
0	28-5AMC	28F5227	1
0	-PBY5A	28F5227	1

REQUIREMENTS PER AIRPLANE

REPLACES 28L5088 OF 10-2-41 — 2.2# CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
-13R	.125 X 2 [illegible]	CM ST SHEET	AN-QQ-S-685	1				
-13L	.125 X 2 [illegible]	CM ST SHEET	AN-QQ-S-685	1				
-15	.065 X 3/4 X 25 [illegible]	SEE ALT. MAT. NOTE		1				
-9	.063 X 3/4 X 1	CM ST SHEET	AN-QQ-S-685	1				
28L5147				1				
-11	SUB ASS'Y							
Q5725K-1-7				1	1			
AC365-428				1	1			
AC364-1032				1	1			
AN520-10-18				1	1			
AN535-2-2				2	2			
AN960-416				2	2			
AN960-10				1	1			
AN24-17A				1	1			
28L5128				1	1			
-11	SUB ASS'Y			1	1			

PARTS LIST PER ASSY.

AC		NAUTA	ELDPLS	GERBEN	D.M. KLEIN		MC VICAR
NAVY NOTED	FINISH-11 C-2P-1GP	10-2-41					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV.	ENG

NAME ROD MLG. EMERGENCY DOWNLATCHING

OPP. HAND NONE

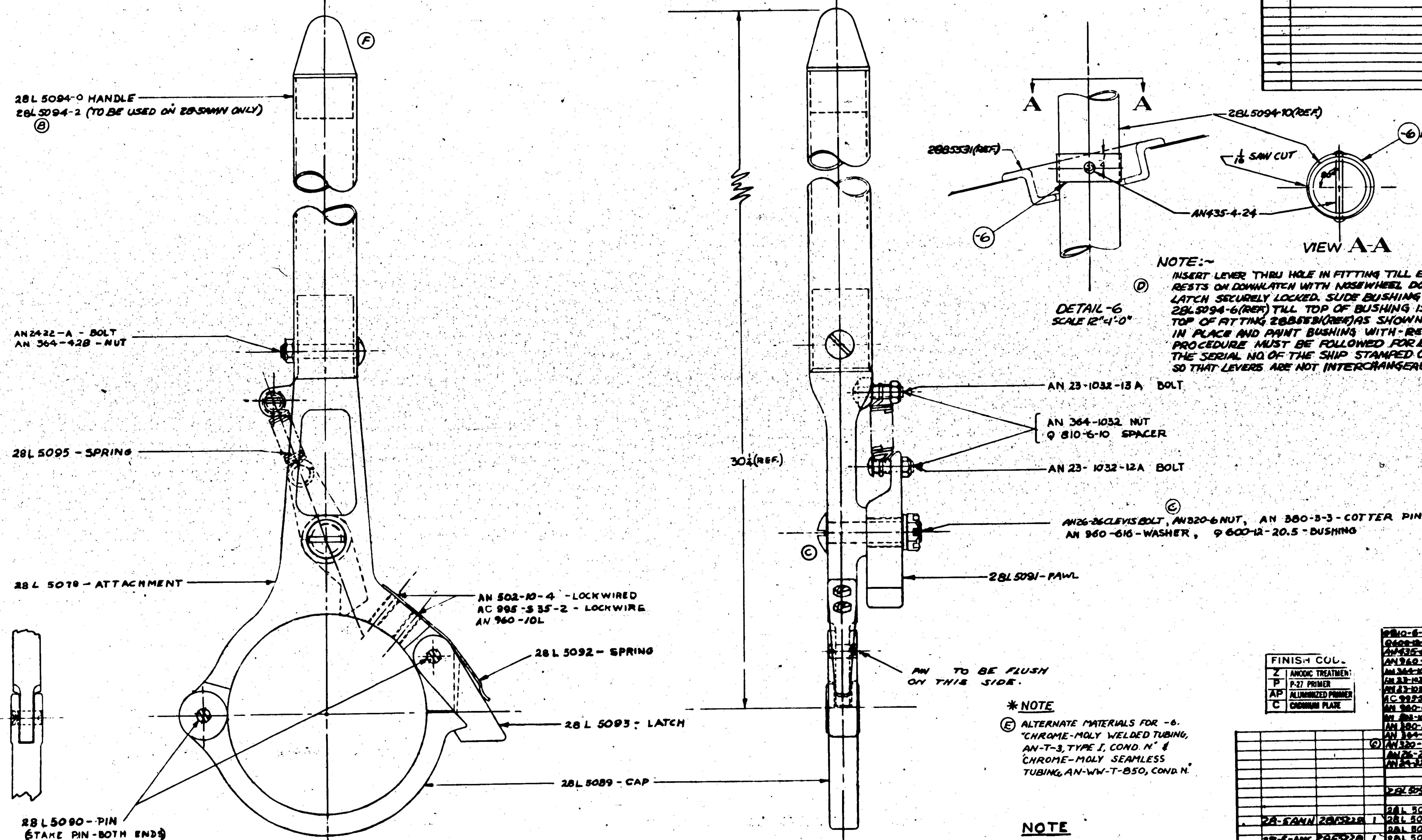
DWG. SIZE G — 28L5088

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

R 28L5088

INCORP. BUR. AIR. CHANGE #33 - MODEL PBY-5A

LET	ALTERATION	DATE	BY
A	ADDED AN960-10L TO FACE	7-17-41	HBW
B	ON FACE OF DWG & IN R/M ADDED 28L5094-2 TO BE USED FOR 28L5094 ON 28-5AMN ONLY NEG WT CHG	3-24-42	HUNT
C	ON FACE OF DWG & IN R/M AN960-616 WAS AN960-17(1 REQ) & AN320-6 WAS AN310-6(1 REQ), ALSO BOLT WAS INSERTED FROM OPPOSITE SIDE NEG WT CHG	3-26-42	HUNT
D	ADDED -6 DETAIL & NOTE:- INSERT --- INTERCHANGEABLE & CHG HEAT TREAT FROM "NONE" TO (90-125,000 PSI) NEG WT CHG	3-26-42	HUNT
E	ADDED NOTE: "ALTERNATE -- -- COND. N" WT. CHG. NEG.	10-8-42	HORTH
F	CORRECTED VIEW OF 28L5095 NO WT CHG	5-14-43	CLAYTON
G	REMOVED XPBY5A FROM REQ'MTS PER AIRPLANE NO WT CHG	5-30-43	



NOTE:~
(D) INSERT LEVER THRU HOLE IN FITTING TILL END OF LEVER RESTS ON DOWNLATCH WITH NOSEWHEEL DOWN AND DOWNLATCH SECURELY LOCKED. SLIDE BUSHING -6(REF) ON TUBE 28L5094-6(REF) TILL TOP OF BUSHING IS FLUSH WITH TOP OF FITTING 28B5531(REF) AS SHOWN. RIVET BUSHING IN PLACE AND PAINT BUSHING WITH RED PAINT. THIS PROCEDURE MUST BE FOLLOWED FOR EACH SHIP AND THE SERIAL NO. OF THE SHIP STAMPED ON THE LEVER SO THAT LEVERS ARE NOT INTERCHANGEABLE.

*NOTE
(E) ALTERNATE MATERIALS FOR -6.
"CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N" & "CHROME-MOLY SEAMLESS TUBING, AN-WW-T-850, COND. N."

NOTE
1-AP FINISH ON ASSEMBLY - EXCEPT 28L 5094 HANDLE. (G)

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	REQ -0
Q810-6-10				2
Q600-12-20.5				1
AN435-4-24				1
AN960-10L				2
AN364-1032				2
AN23-1032-13A				1
AN23-1032-12A				1
AC995-535-2				1
AN960-616				1
AN502-10-4				2
AN380-3-3				1
AN364-428				1
(C) AN320-6				1
AN26-26				1
AN24-22A				1
28L5094-2	TO BE USED INSTEAD OF 28L5094-0 FOR 28-5AMN			1
28L 5095				1
28L 5094-0				1
28L 5093				1
28L 5092				1
28L 5091				1
28L 5090				2
28L 5089				1
28L 5078				1
* -6	1⅛X.035X½	CM STL	AN-WW-T-850	1

PARTS LIST PER ASSY.

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	28-5AMN	28F5228	1
	28-5-AMC	28F5228	1
	PBY-5A	28F5228	1

REQUIREMENTS FOR AIRPLANE

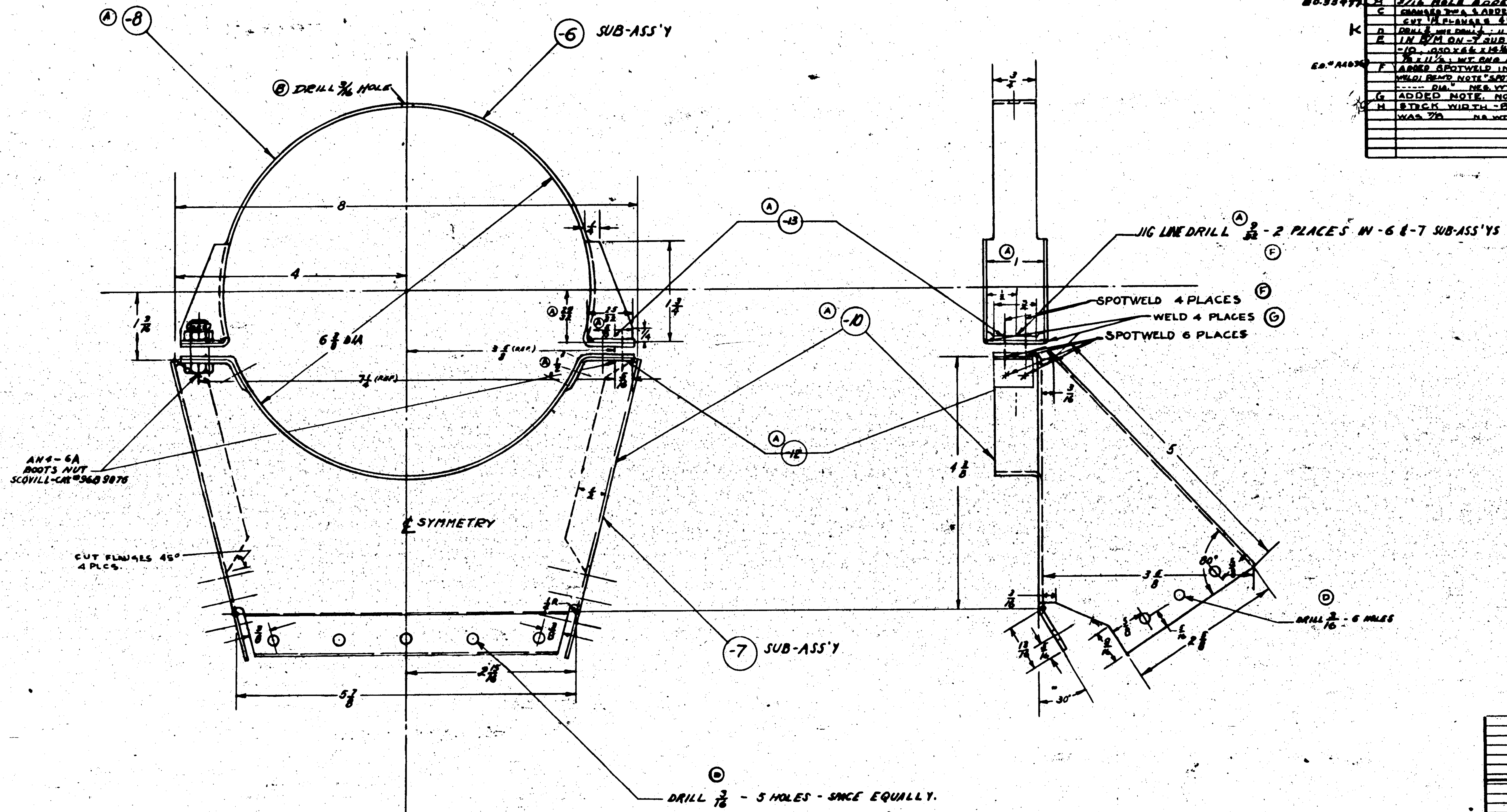
REPLACES — 3.3# CALC. WT.
REPLACED BY — ACT. WT.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

HEAT TREAT: 90-125,000 NAVY AS REC. PAR -6
FINISH: NOTED
DATE 10-10-40

NAME LEVER ASSEMBLY - NLG-EMERG. LOWERING

DWG. G 28L5096

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



NOTE: 1. ALL DIMENSIONS & ANGLES SHOWN ARE ACTUAL MEASUREMENTS
2. ALL BEND AND RELIEF RADII 3/32 EXCEPT AS NOTED.

LET	ALTERATION	DATE	BY
A	[illegible] ADDED [illegible] -6 SUB-ASS'Y ; ADDED [illegible] ; REMOVED [illegible] NOTE	[illegible]	[illegible]
B	3/16 HOLE ADDED	2-12-41	[illegible]
C	CHANGED DWG & ADDED NOTE TO CUT 1/4 FLANGES 45°	7-8-41	[illegible]
D	DRILL 3/16 WAS DRILL [illegible] ; 11 PLACES	[illegible]	[illegible]
E	IN B/M ON -7 SUB ASSY SIZE -10 .050 x 6 1/4 x 14 5/8 WAS .050 x [illegible] x 11 1/2 ; WT CHG NEG.	[illegible]	[illegible]
F	ADDED SPOTWELD IN PLACE OF WELD; REMD NOTE "SPOTWELD IF NEC ----- DIA." NEG. WT CHG	[illegible]	[illegible]
G	ADDED NOTE. NO WT CHG	6-19-[illegible]	[illegible]
H	STOCK WIDTH -8 2 1/16 WAS 7/8 NO WT CHG	[illegible]	[illegible]

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PART No.	STOCK	MATERIAL	SPEC.	REQ.
-12	.050 x 1/2 x 1 1/4	C.M. STEEL	4751A	2
-10	.050 x 6 1/4 x 14 5/8	C.M. STEEL	4751A	1
	-7 SUB ASS'Y			
-13	.050 x 3/4 x 1 1/8	C.M. STEEL	4751A	2
-8	.050 x 2 1/16 x 19	C.M. STEEL	4751A	1
	-6 SUB. ASS'Y			
AN4-6A	BOOTS NUT-SCOVILL CAT. #96B9076			2
-7	SUB-ASS'Y			1
-6	SUB-ASS'Y			1

PARTS LIST PER ASSY. -0 -2 -3 -4 -5

MODEL	NEXT ASSY.	NO.
28-[illegible]	28L[illegible]	4
28-5[illegible]	28L[illegible]	2
PBY-5A	28L[illegible]	2

REQUIREMENTS PER AIRPLANE

REPLACED — CALC. WT. 1.3#

REPLACED BY — ACT. WT.

SCALE 12" = 1'-0

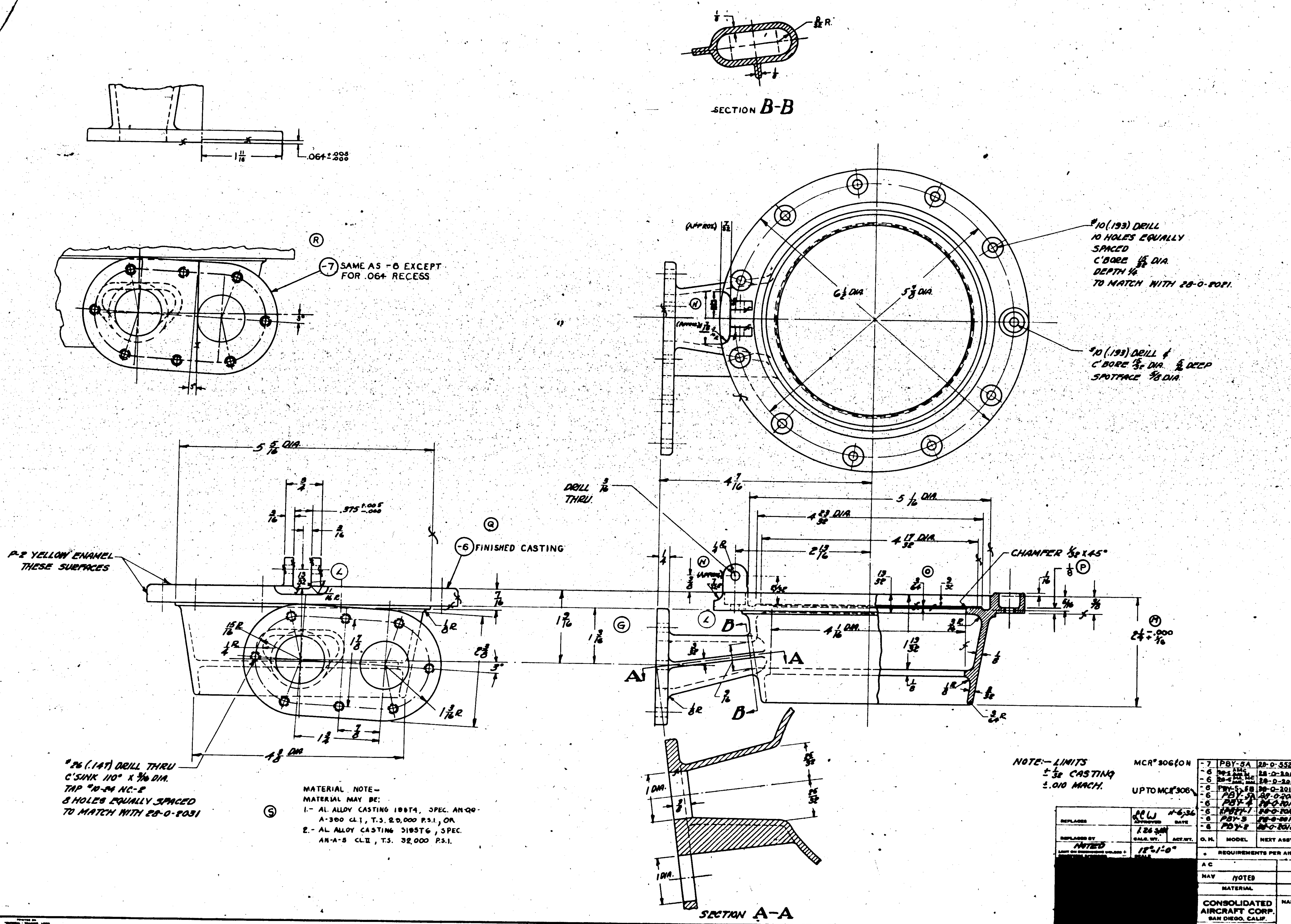
STAMP PART NUMBER WHERE SHOWN

HEAT TREAT: NORMALIZE — FINISH: C-2 P-1 AL

NAME: CLAMP - M.L.G.-WHEEL WELL - UPPER DOOR

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28L5117



MATERIAL NOTE–
MATERIAL MAY BE:
1.– AL. ALLOY CASTING 108T4, SPEC. AN-QQ-A-390 CL.I, T.S. 29,000 P.S.I., OR
2.– AL. ALLOY CASTING 319ST6, SPEC. AN-A-8 CL.II, T.S. 32,000 P.S.I.

NOTE:– LIMITS
± 1/32 CASTING
±.010 MACH.

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	F	TRACED TO DATE	8-6-38	[illegible]
	G	1 7/16 DIM. ADDED	2-16-38	[illegible]
	H	REVISED CONTOUR OF LUG	7-7-39	[illegible]
	J	ADDED 13/32 DISTANCE		
	K	CHG. VIEW B-B TO AGREE WITH	5-16-40	[illegible]
		PARTS MADE		
	L	ADDED 1 1/4 x 3/16 CUTOUT	"	"
E.O. 27632	M	2 3/4 DIM. WAS 2 3/32	10/31/40	[illegible]
E.O. 19976	N	7/32 WAS 3/16, 1 7/16 WAS 1 1/2	10/31/40	"
E.O. 18193	O	CORRECTED 5/16 DIM. ON DWG.	10/31/40	"
E.O. A73031	P	ADDED 1/8 DIM. NO WT CHG	9-29-42	[illegible]
	Q	ASSIGNED (-6) DASH NUMBER TO		
		FINISHED CASTING NO WT. CHG.	8-19-43	STEWART
MCR# 306	R	CREATED -7, SAME AS -6 EXCEPT		
		FOR .064 RECESS, LIMITED -6 TO		
		MCR# 306 & RELEASED -7 FOR MCR# 306		
		& ON. WT CHG NEG.	8-19-43	STEWART
	S	IN DIM, REPLACED "AL. ALLOY CAST'G," "46A1-CL.4," & "NAF SA-6" WITH "NOTED."		
		TO FACE ADDED MATERIAL NOTE.		
		NO WT. CHG.	9-8-43	HODIK

FINISH CODE	
C	CADMIUM PLATE
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER

	D. N.	MODEL	NEXT ASSY.	REQ.
MCR# 306 & ON	-7	PBY-5A	28-0-5526	2
	-6	28-5 AMC	28-0-2018	2 EA
	-6	28-5 MA, MC	28-0-2018	2 EA
UP TO MCR# 306	-6	PBY-5, 5B	28-0-2018	2 EA
	-6	PBY-5A	28-0-2018	2
	-6	PBY-4	28-0-2018	
	-6	XPBY-1	28-0-2018	
	-6	PBY-3	28-0-2018	
	-6	PBY-2	28-0-2018	

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY.

-7 MAKE FROM 28-0-2019-0
-6 MAKE FROM 28-0-2019-0

REPLACES: — APPROVED: LLW, DATE 11-6-36
REPLACED BY: — CALC. WT.: 1.26 LBS — ACT. WT.: —
LIMIT ON DIMENSIONS UNLESS NOTED: NOTED — SCALE: 12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAV	NOTED	NOTED	NOTED	Z & NOTED

DRAFT: [illegible] — CHECK: [illegible] — EXAM.: [illegible] — ENG.: R.

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

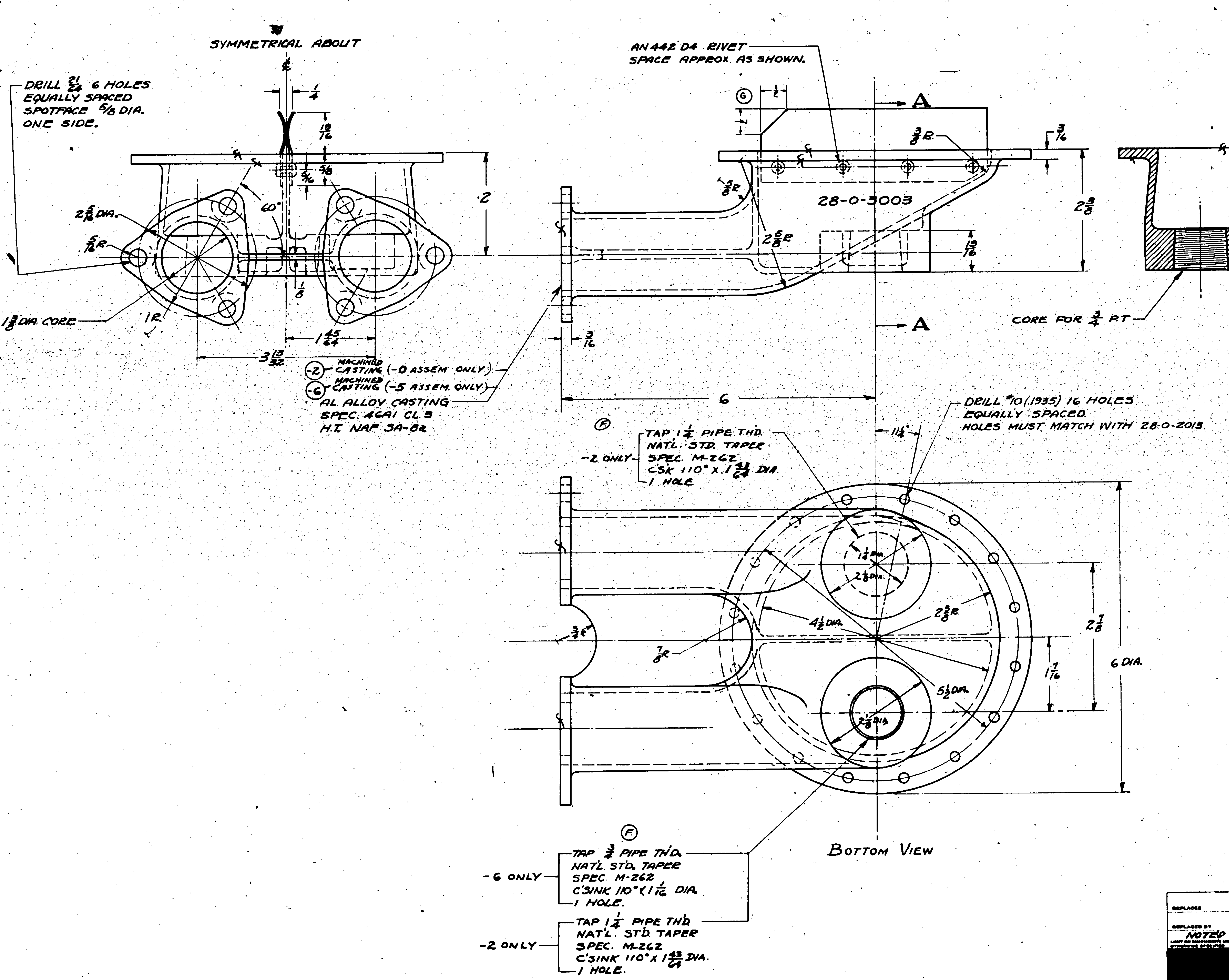
NAME: BODY– OIL TANK FILLER.

OPP. HAND

DWG. SIZE G 28-0-2019

E.O. 26198

LET	ALTERATION	DATE	BY
E	TRACED		
F	ADDED -4 -5(2), -6(1). ADDED 3/4 PT. FOR -6. SECT. A-A CHANGED	11-8-40	
G	CORNER BROKE FOR CLEARANCE ON -3 & -4	10-31-40	



NOTES:—

1. THIS CASTING WILL CONTAIN LUBRICATING OIL & MUST BE LEAKPROOF UNDER TEST AIR PRESSURE OF 4 #/□" FOR 30 MIN.
2. UNLESS OTHERWISE SPECIFIED WALL THICKNESS 1/8 FILLETS 1/8 R.
3. LIMITS CASTING ± 1/32 MACHINE ± .010.
4. FINISH—(CASTING ONLY)
   -Z ALL OVER
   -P-ZAP ALL OUTSIDE SURFACES EXCEPT MACHINED FACES.
5. DO NOT FINISH -2 & -3.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

	MODEL	NEXT ASSY.	REQ.	STD PARTS	PART NO.
-5	PBY-5A	28-0-3011	2		
-5	PBY-5B	28-0-5523	2		
-5	PBY-5A	28-0-5523	2		
-5	PBY-5	28-0-5523	2		28-0-3003-6
-0	PBY-4	28-0-3011	2		28-0-3003-4
-0	PBY-3	28-0-3011	2		28-0-3003-3
-0	PBY-1	28-0-3011	2	AN442D4	28-0-3003-2

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY. -0 -5

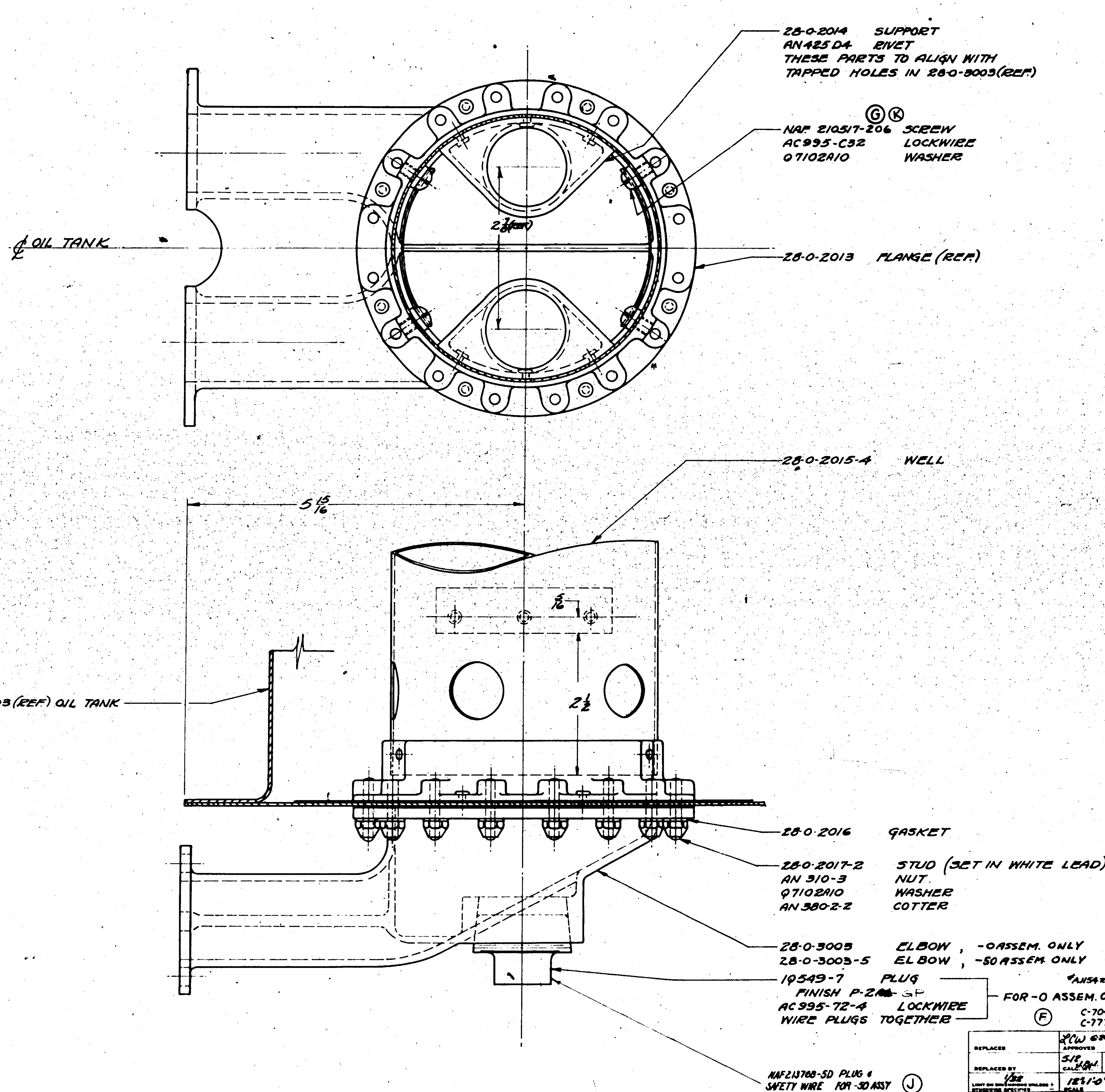
SCALE 12"=1'-0"

MATERIAL: NOTED — SPEC.: NOTED — HEAT TREAT: NOTED — FINISH: NOTED

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: ELBOW— OIL TANK OUTLET.

G 28-0-3003



SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	D	TRACED	6-24-38	
	E	ADDED -2 ASSY & PBY-5 REQ.		
	F	REMOVED 19549-7 (1) &	1-12-40	
		AC995-72-4 (1) FROM	"	"
		PBY-5 REQMTS. (-2 ASSY.)	"	"
		28-0-3003-5 (1) WAS	"	"
		28-0-3003 (FOR PBY-5)	"	"
E.419028	G	NAF 210517 WAS NAF 210517		
E.015938	H	-50 WAS -2 ASSY. IN DRG & B/M	10-31-40	
E.O. 30441 PBY-5	J	ADDED NAF213768-5D SAFETY WIRE TO	4-16-41	
		-50 ASS'Y ON FACE OF DWG & B/M.		
E.O.A71543	K	NAF210517-206 WAS NAF210517		
		NO WT. CHG.	8-21-42	

GP GREEN PRIME

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O. H.	MODEL	NEXT ASSY.	REQ.
-50	28-5AMN	28-0-3039	2
-50	28-5MN	28-0-3039	2
-50	28-5ME	28-0-3039	2
-50	28-5MA	28-0-3039	2
-50	PBY-5A	28-0-3039	2
-50	PBY-5	28-0-3039	2
-0	PBY-4	28-0-3039	
-0	PBY-3	28-0-3039	
-0	XPB2Y-1	29-0-014	

REQUIREMENTS PER AIRPLANE

*AN54 to 62. C-70496 C-77713 (F)

	PART NO.	-0 REQ.	-50 REQ.
(J)	NAF213768-5D		1
(G)	NAF210517-206	4	4
	AC995-72-4	1	
	AC995C32	2	2
	AN425-D4		
	AN380-2-2	16	16
	AN310-3	16	16
	19549-7	2	
	Q7102A10	20	20
	28-0-3003-5		1
	28-0-3003	1	
	28-0-2017-2	16	16
	28-0-2016	1	1
	28-0-2015-4	1	1
	28-0-2014	2	

ST'D PARTS — MAT. — PARTS LIST PER ASSY.

REPLACES	LCW 6-24-38 APPROVED	DATE
REPLACED BY	5.18 J.B.H. CALC. WT.	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	12"=1'-0" SCALE	

A C

NAVY NOTED	NOTED	NONE	NOTED
MATERIAL	SPEC.	HEAT TREAT	FINISH

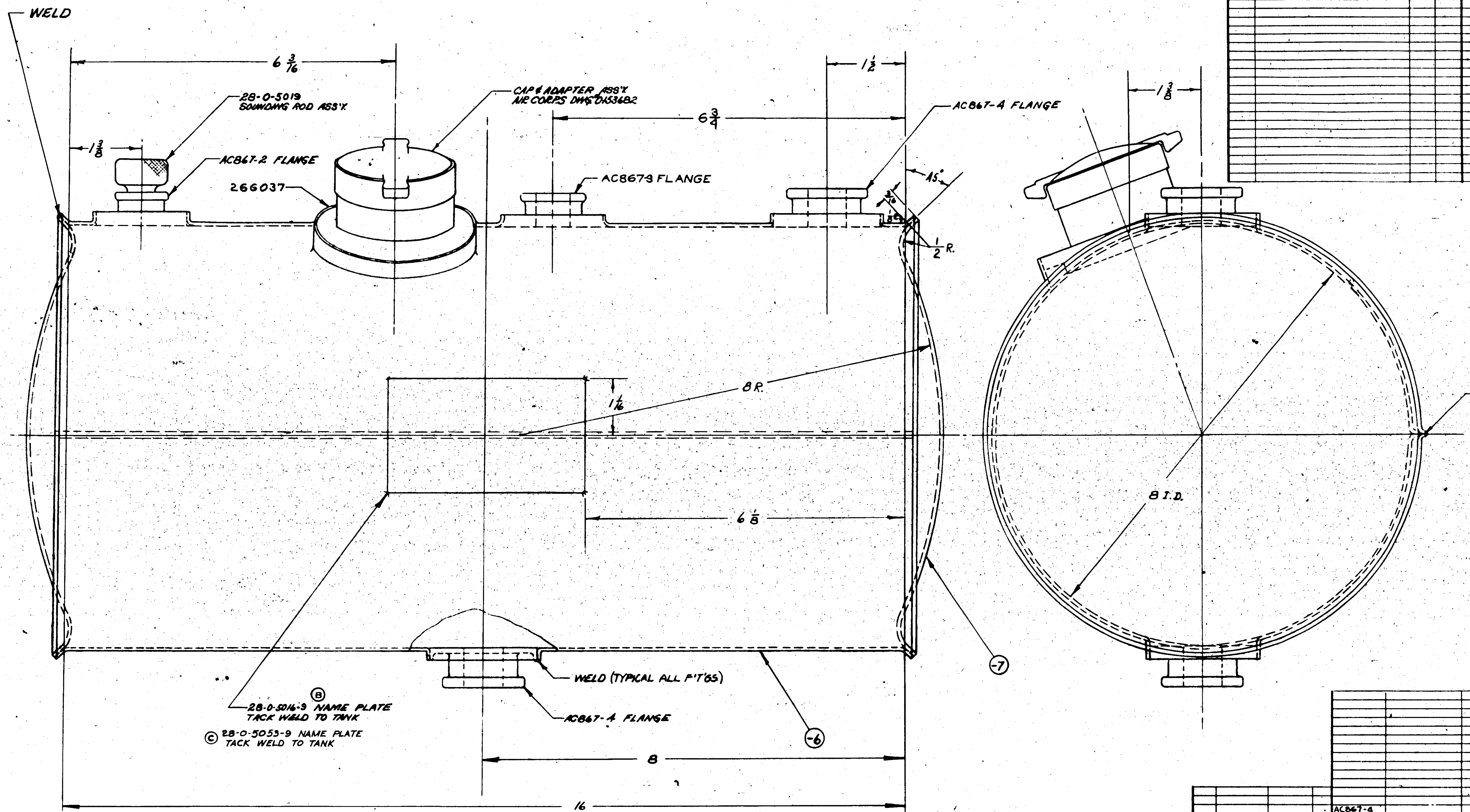
5-4-37			R.
DRAFT	CHECK	EXAM.	ENG.

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME OUTLET ASSEMBLY- OIL TANK.

OPP. HAND

DWG. SIZE G 28-0-3011



LET	ALTERATION	DATE	BY
A	-2 ASS'Y ADDED.		
B	REMOVED 28-0-5016-6 & -2 ASSY		
	28-0-5016-9 WAS 28-05016-1		
	ON FACE & B.M. NO. WT. CHG	6-24-4[illegible]	MARTIN
C	TO FACE OF DWG & IN B/M TO	9-21-43	STOCKARD
	-0 ASSY, ADDED [illegible]		
	FOR MCR 1009-1 & ON &		
	LIMITED 28-0-5016-9 TO		
	MCR 1009-1 NO WT. CHG		

Contr. Change "X"
S.O. 936-49
NAVY No. 2406-2455 INCL.
C 91876
#118 TO 167

NOTES:-
1. FINISH-WELD ASS'Y
 Z INSIDE & OUTSIDE
 P-2AP OUTSIDE ONLY
2. TANK CAPACITY 8.5 GALLONS
3. TEST TANK FOR 4 LBS./□" INTERNAL PRESSURE.

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28-0-5035	1
-0	PBY-5	28-0-5022	1

REQUIREMENTS PER AIRPLANE

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AC867-4				2				
AC867-3				1				
AC867-2				1				
#0153682	AIR CORPS DWG			1				
28-0-5019				1				
28-0-5016-9	TO MCR 1009-1			1				
266037				1				
28-0-5053-9	MCR 1009-1 & ON			1				
-7	.051-10½-10½	ALUMINUM	47A2T½H	2				
-6	.051-17-26	ALUMINUM	47A2T½H	1				

PARTS LIST PER ASSY.

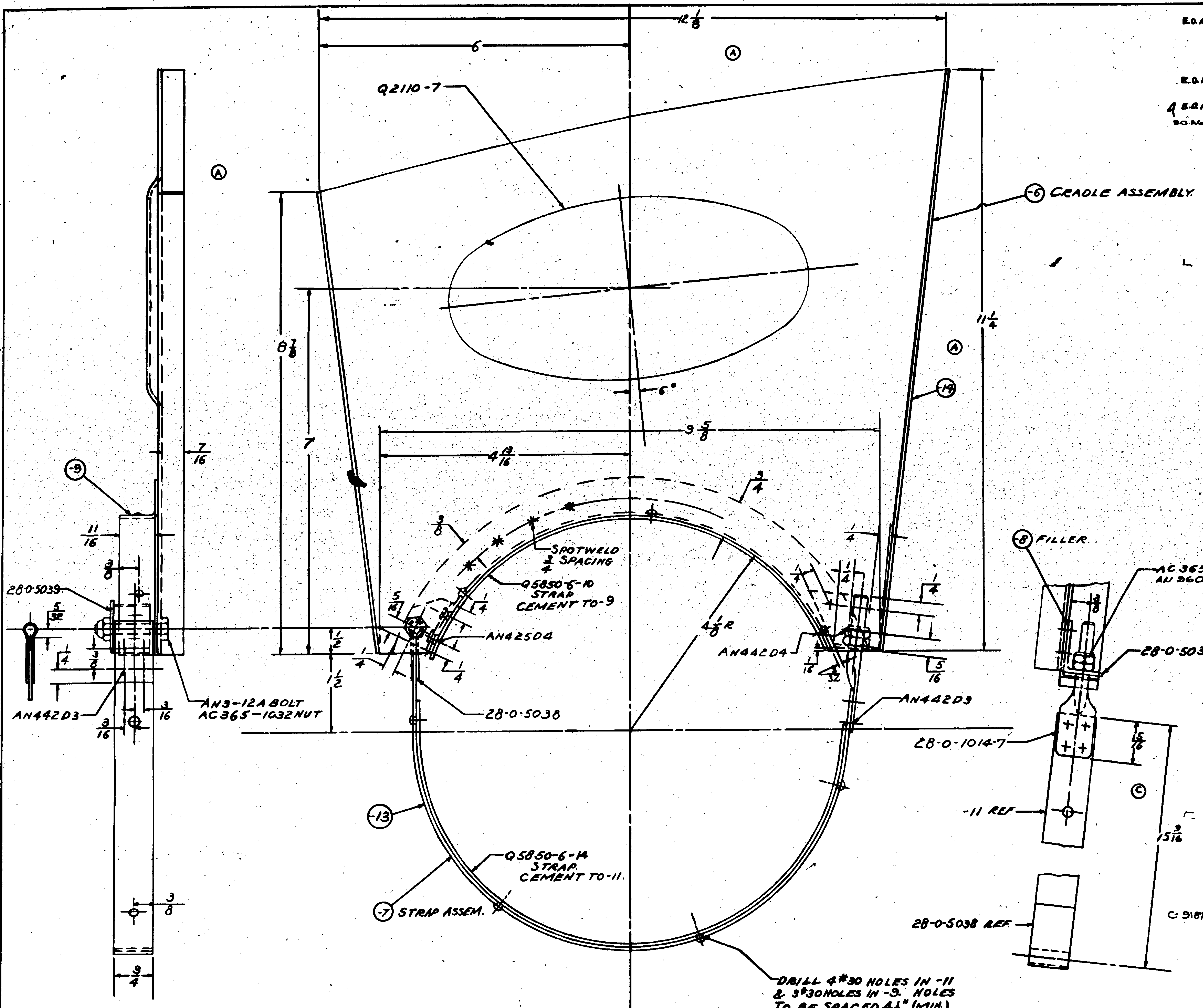
REPLACES — CALC. WT. 3.49
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32
SCALE: 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

A C							
NAVY NONE	NOTED	1/6/4[illegible]	3/4/41			2-18-4[illegible]	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.

NAME: OIL TANK ASSEM. AUX. POWER PLANT

OPP. HAND —
DWG. G 28-0-5021

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY
A	REWORKED -10 OF CRADLE ASSY. REMOVED FLANGE & RADIUS 61/2 DIM. 12 1/2 WAS 12 1/8. 11 1/4 WAS 12. 8 7/8 WAS 9 3/8. -14 WAS -10 ON FACE & BM. CHG. STOCK SIZES. CHG. REQ/AIRPLANE FROM (1) TO (2). WT. CHG. NEG.	6-24-41	[illegible]
B	IN BM. -13 (STOCK .051 x 3/4 x 15 7/8) WAS -11 (STOCK .051 x 3/4 x 15 1/2). (WT. CHG. NEG.)	6-28-41	[illegible]
C	ON FACE, DIM. 13/16 WAS 1 1/16. 15 9/16 WAS 15 1/2. (NO WT. CHG.)	6-28-41	[illegible]
D	REM. AN315D4R (1). WT. CHG. NEG.	[illegible]	[illegible]

E.O. A 29733 (A); E.O. A 34038 (B); E.O. A 34701 (C); E.O. A 65705 (D)

NOTE: ALL BEND RADII 3/32

PART No	STOCK	MATERIAL	SPEC	REQ
AN442D3				1
Q5850-6-14				1
28-0-5038				1
28-0-1014-7				1
-13	.051 x 3/4 x 15 7/8	ALCLAD	47A8 COND T	1
-7	ASSEM.			
AN442D4				
AN425D4				
Q5850-6-10				1
28-0-5039				1
28-0-5037				1
-14	.051 x 13 3/8 x 11	ALCLAD	47A8 COND A	1
-9	.051 x 4 x 9 7/8	ALCLAD	47A8 COND A	1
-8	.051 x 1 x 1	ALCLAD.	47A8 COND T	1
-6	ASSEM.			
AN960D416				1
AC365-1032				1
AC365D428				1
AN3-12A				1
-7	STRAP ASSEM.			1
-6	CRADLE ASSEM.			1

PARTS LIST PER ASSY.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
C 9181	PBY-5	28-0-5036	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

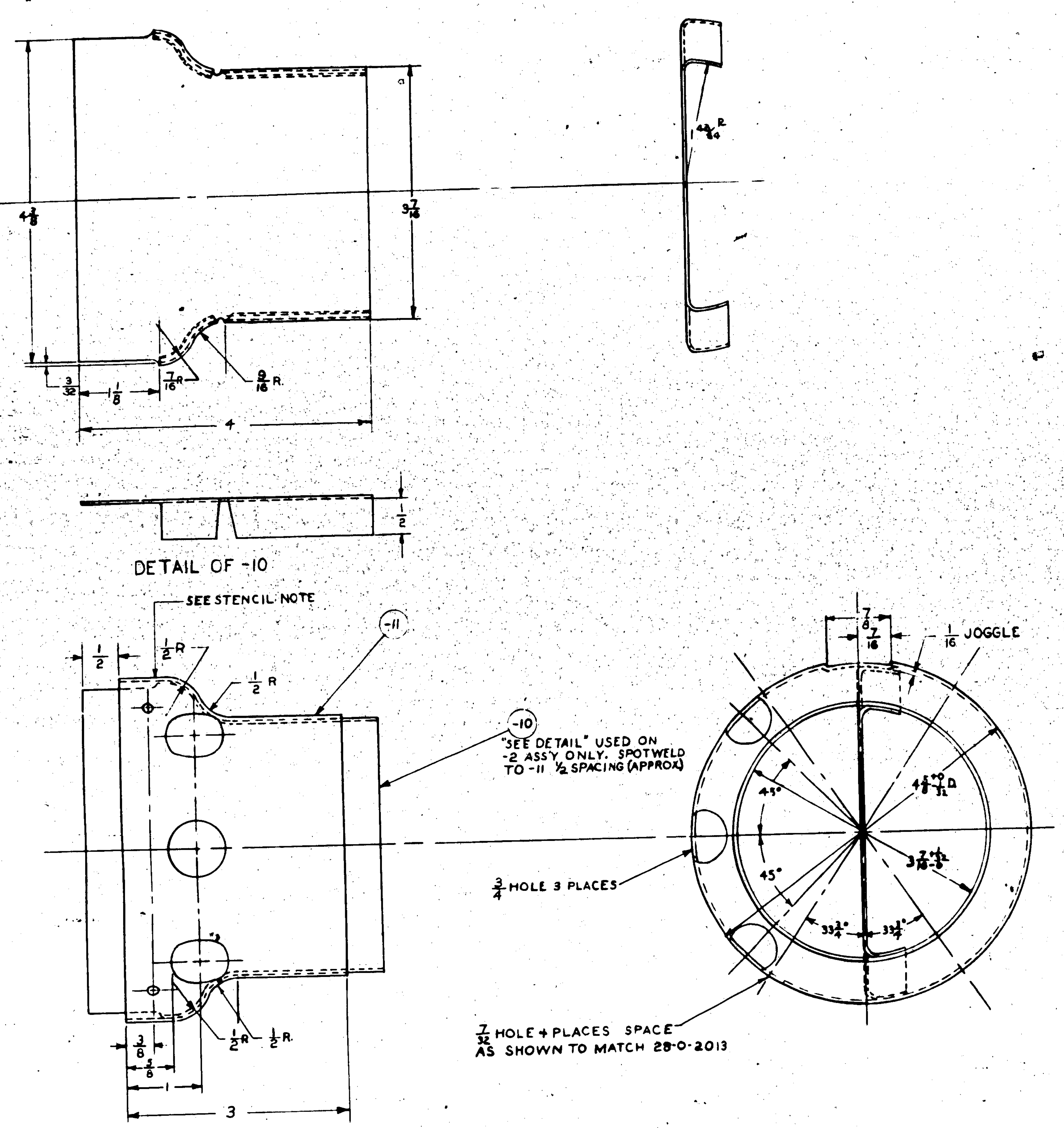
A C
NAVY SR 53 — HEAT TREAT
Z-P-2AP — FINISH
DRAFT — CHECK — STRUCT — WAT — APPROV.

NAME SUPPORT ASS'Y. - OIL TANK AUX. POWER PLANT-OUTBOARD

OPP HAND
DWG SIZE G — 28-0-5035

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

R



LET	ALTERATION	DATE	BY
F	TRACED DWG.	7-3-43	STEWART
G	REMOVED -6-7 & NOTES; SPOT		
MC.R.	WELD -7 TO -6 WITH SEAM OF		
CBB	-7 ON ℄ WITH CENTER 3/4		
	HOLE OF -6; SEAM OF -7; SPOT		
	WELD TO -7 SPACING APPROX 1.		
	REF. REMOVED H.T. IN TITLE		
	BLOCK. ADDED -11. DETAIL		
	OF -10 WT CORRECTED WAS .048	7-3-43	STEWART
	WT DECREASE .02		

NO(8)464, C#91876, C#88476

ASSY DASH No.	MODEL	NEXT ASSY	REQ.	
-2	PBY-5B	28-0-5523	2	9 SHIPS
-2	PBY-5, 5A	28-0-5523	2	
-2	28-5ME	28-0-5523	2	9 SHIPS
-0	28-5AMC	28-0-5512	2	
-0	28-5MC	28-0-5512	2	

REQUIREMENTS PER AIRPLANE

REPLACES 28-0-5510 3/17/41 — .21 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & 1/2° — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

NOTE:
ALL BEND & RELIEF RADII 3/32 UNLESS OTHERWISE SPECIFIED.
STENCIL, WHERE SHOWN, IN 1/4 HIGH LETTERS: "THIS SIDE AFT"

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
-10	.032 X 5 1/16 X 4 1/8	ALCLAD	47A8 T	1				
-11	.040 X 11 X 11	52SO AL. ALLOY	47A11 TEMP A	1				

PARTS LIST PER ASSY.

		3-17-41					
A C		[illegible]	[illegible]	[illegible]	MCO	[illegible]	M.V.
NAVY —	Z	[illegible]	F.K.	AR	[illegible]	2-28-41	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

OPP. HAND —

NAME BAFFLE-OIL TANK-OUTLET

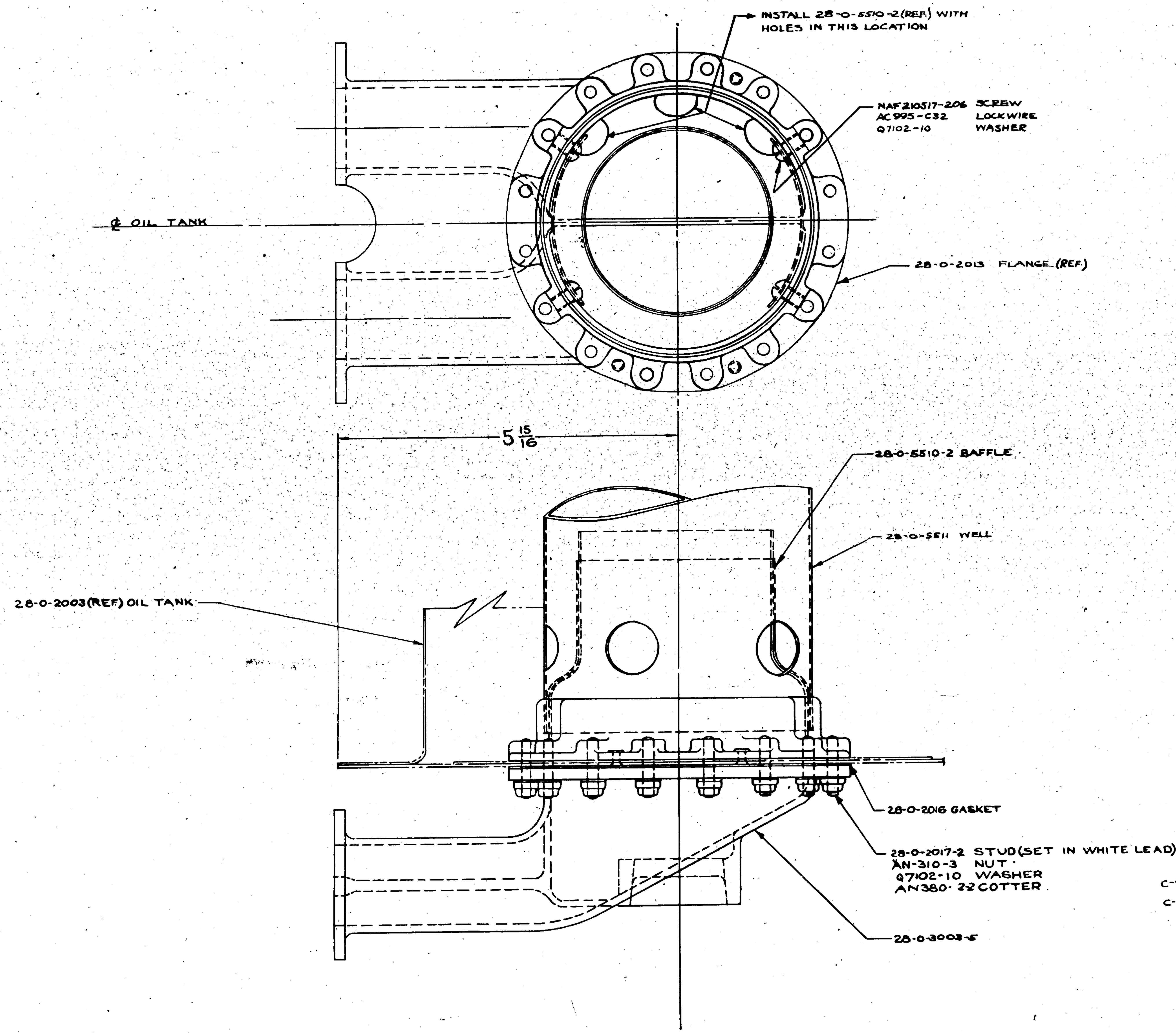
DWG. SIZE G — 28-0-5510

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R. 28-0-5510

APPROVED FOR TOOLING BY Jeue 7/9-43

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	CHG PIC. OF 28-0-5510 PER DETAIL ADD PBY-5, 5A & 5B REQMTS	2-19-42	AUSTIN



C-91876
C-88476

ASSY DASH NO	MODEL	NEXT ASSY	REQ.
	PBY-5	28-0-3039	2
	PBY-5B	28-0-3039	2
	PBY-5A	28-0-3039	2
	28-5ME	28-0-3039	2

REQUIREMENTS PER AIRPLANE

REPLACES | CALC. WT.

REPLACED BY | ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32. | SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
Q7102-10				20				
NAF210517-206				4				
AC995-C32				2				
AN310-3				16				
AN380-C2-2				16				
28-0-5511				1				
28-0-5510-2				1				
28-0-3003-5				1				
28-0-2017-2				16				
28-0-2016				1				

PARTS LIST PER ASSY.

A C		KAREL	KANN	GOREN	BMN	PACK	M.V.
NAVY NONE	NONE	6-2-41	F.K.			2-24-42	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

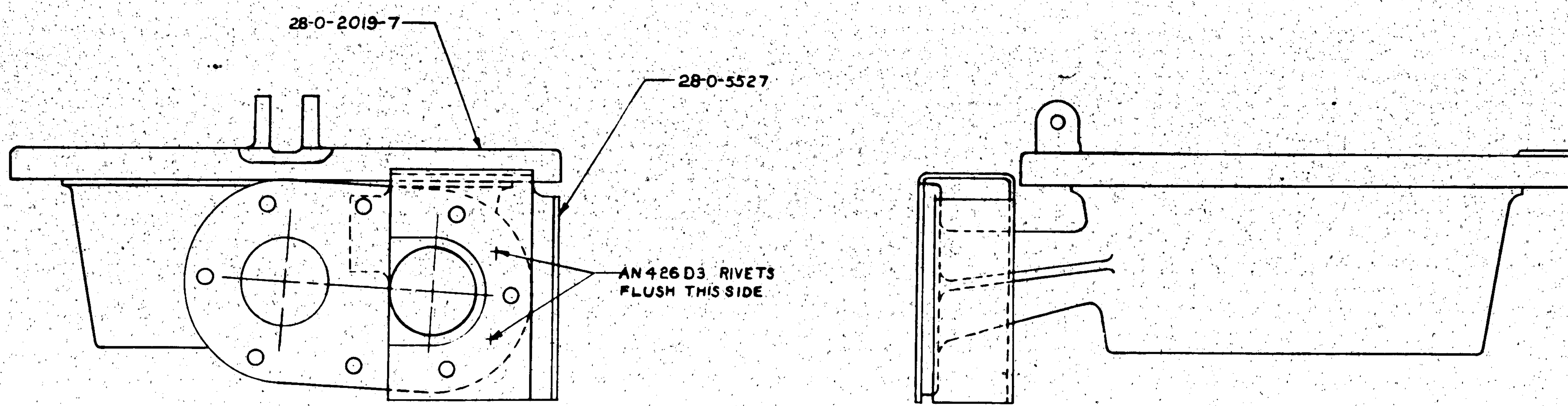
NAME OUTLET ASSEMBLY OIL TANK

OPP HAND

DWG SIZE G 28-0-5523

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

MCR 306 & ON

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5A	28-0-2018	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT 1.39

REPLACED BY — ACT. WT

SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
AN426D3								
28-0-2019-7				1				
28-0-5527				1				

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY NONE	NONE	STEWART 8-13-43	4/43				
HEAT TREAT	FINISH						

NAME ASS'Y.-OIL TANK FILLER BODY

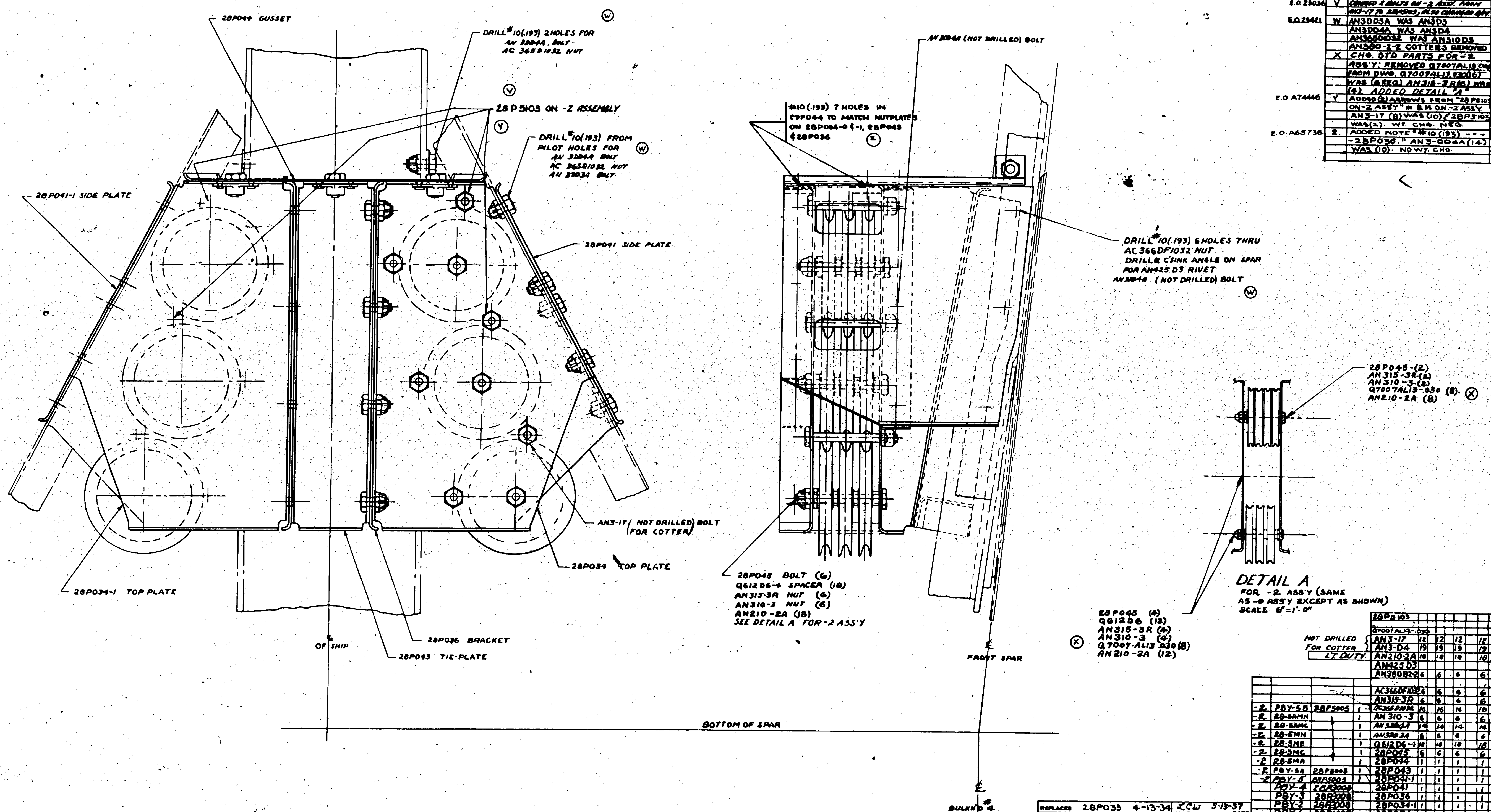
OPP. HAND

DWG. SIZE G 28-0-5528

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

APPROVED FOR TOOLING BY Gorlinee 8-26-43

28-0-5528 R



DETAIL A
FOR -2 ASS'Y (SAME AS -0 ASS'Y EXCEPT AS SHOWN)
SCALE 6" = 1'-0"

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	S	TRACED TO DATE	5-13-37	
C.O. 6819	T	ADDED PBY-4 REQ'M'TS & LT. DUTY		
		OPPOSITE AN210-2A IN B/M.		
	U	ADDED -2 ASS'Y & PBY-5		
E.O. 23036	V	CHANGED 2 BOLTS ON -2 ASSY. FROM		
		AN3-17 TO 28P5103, ALSO CHANGED QTY.	11-11-40	
E.O. 23421	W	AN3DD3A WAS AN3D3		
		AN3DD4A WAS AN3D4		
		AN365D1032 WAS AN310D3		
		AN380-2-2 COTTERS REMOVED	11-11-40	
	X	CHG. STD PARTS FOR -2		
		ASS'Y; REMOVED Q7007AL13.030		
		FROM DWG. Q7007AL13.030(6)		
		WAS (6REQ) AN315-3R(6) WAS		
		(4). ADDED DETAIL "A"	12-30-41	HORN
E.O. A74446	Y	ADDED (2) ARROWS FROM "28P5103		
		ON -2 ASSY" IN B.M. ON -2 ASSY.		
		AN3-17 (8) WAS (10) & 28P5103 (4)		
		WAS (2). WT. CHG. NEG.	1-1-43	
E.O. A65736	Z	ADDED NOTE "#10 (.193) ---		
		-28P036." AN3-DD4A (14)		
		WAS (10). NO WT. CHG.	4-1-43	

O.M.	MODEL	NEXT ASSY.	REQ.	PARTS	PBY-1	PBY-2	PBY-3	PBY-4	-2
				28P5103					4
				Q7007AL13-.030					16
				AN3-17 (NOT DRILLED FOR COTTER)	12	12	12	12	8
				AN3-D4	19	19	19	19	17
				AN210-2A (LT. DUTY)	18	18	18	18	20
				AN425D3					
				AN380B2-2	6	6	6	6	6
				AC366DF1032	6	6	6	6	6
				AN315-3R	6	6	6	6	6
-2	PBY-5B	28P5005	1	AC365D1032	16	16	16	16	16
-2	28-5AMN		1	AN 310-3	6	6	6	6	6
-2	28-5AMC		1	AN3DD4A	14	14	14	14	14
-2	28-5MN		1	AN3DD3A	6	6	6	6	6
-2	28-5ME		1	Q612D6-1	18	18	18	18	12
-2	28-5MC		1	28P045	6	6	6	6	6
-2	28-5MA		1	28P044	1	1	1	1	1
-2	PBY-5A	28P5005	1	28P043	1	1	1	1	1
-2	PBY-5	28P5005	1	28P041-1	1	1	1	1	1
	PBY-4	28P3008		28P041	1	1	1	1	1
	PBY-3	28P3008		28P036	1	1	1	1	1
	PBY-2	28P2008		28P034-1	1	1	1	1	1
	PBY-1	28P1008		28P034	1	1	1	1	1

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY.

REPLACES 28P035 4-13-34
REPLACED BY
APPROVED LCW DATE 5-13-37
CALC. WT. 4.04 ACT. WT.
SCALE 12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NOTED	NOTED	NONE	NOTED

DRAFT: HENRY 4-21-36 — CHECK: 7-6-37 — EXAM.: 5-4-36 — ENG.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME: PULLEY INST. - ENGINE CONTROLS FRONT SPAR

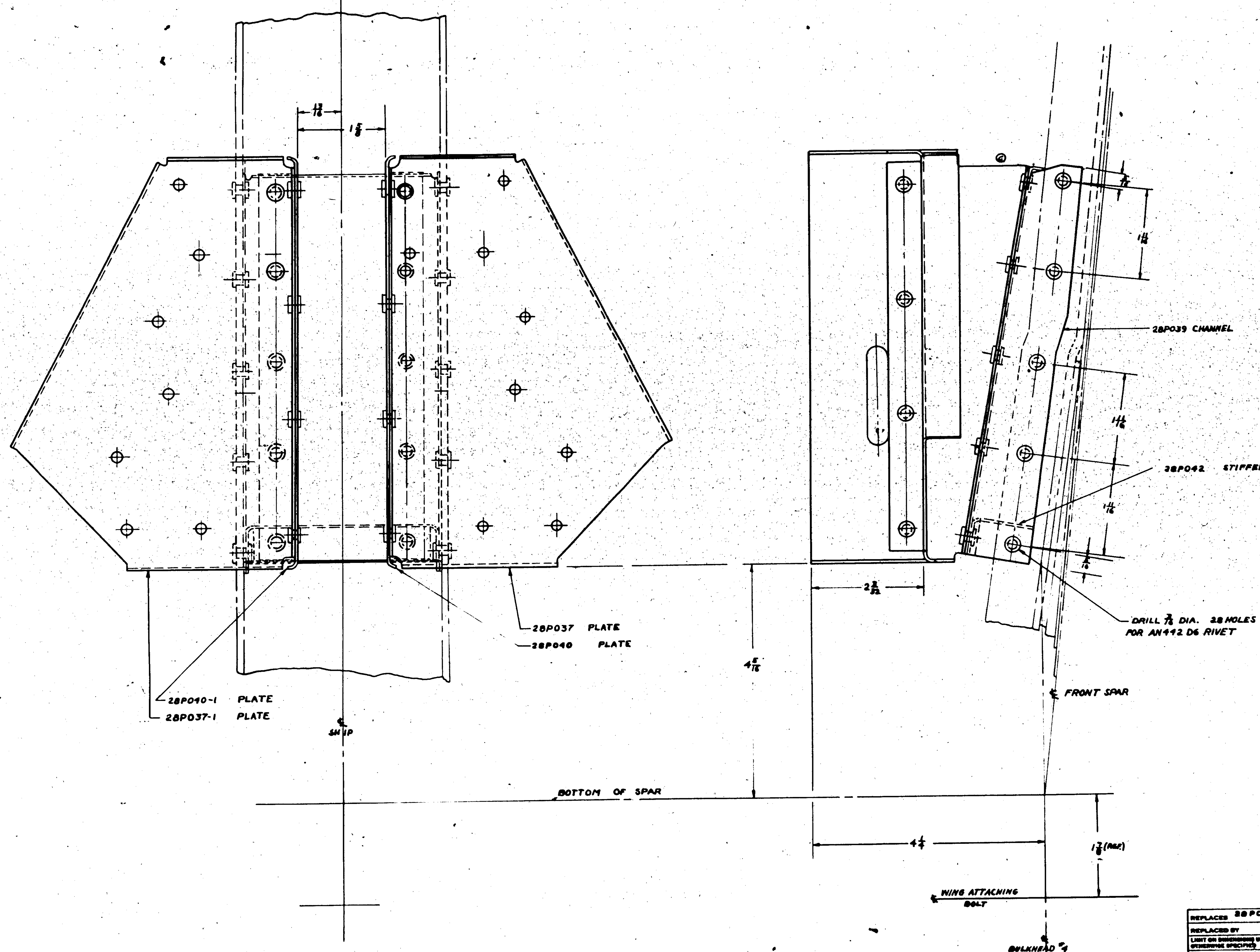
OPP HAND

DWG. SIZE G — 28P035

R 28P035

LET	ALTERATION	DATE	BY
F	TRACED	6-18-3?	[illegible]
G	Removed ½ Drg	11-8-39	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION



TOUCH UP WITH GREEN PRIME AFTER RIVETING

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	PBY-1	PBY-2	PBY-3
				AN442-D6			
				28P042	1	1	1
				28P040-1	1	1	1
	PBY-4	28P035		28P040	1	1	1
	PBY-3	28P035		28P039	1	1	1
	PBY-2	28P035		28P037-1	1	1	1
	PBY-1	28P035		28P037	1	1	1

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES 28P036 4-10-34
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED $\pm \frac{1}{64}$

APPROVED 5-12-37 DATE
CALC. WT. 1.10 — ACT. WT.
SCALE 12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NOTED	NOTED	NONE	NOTED

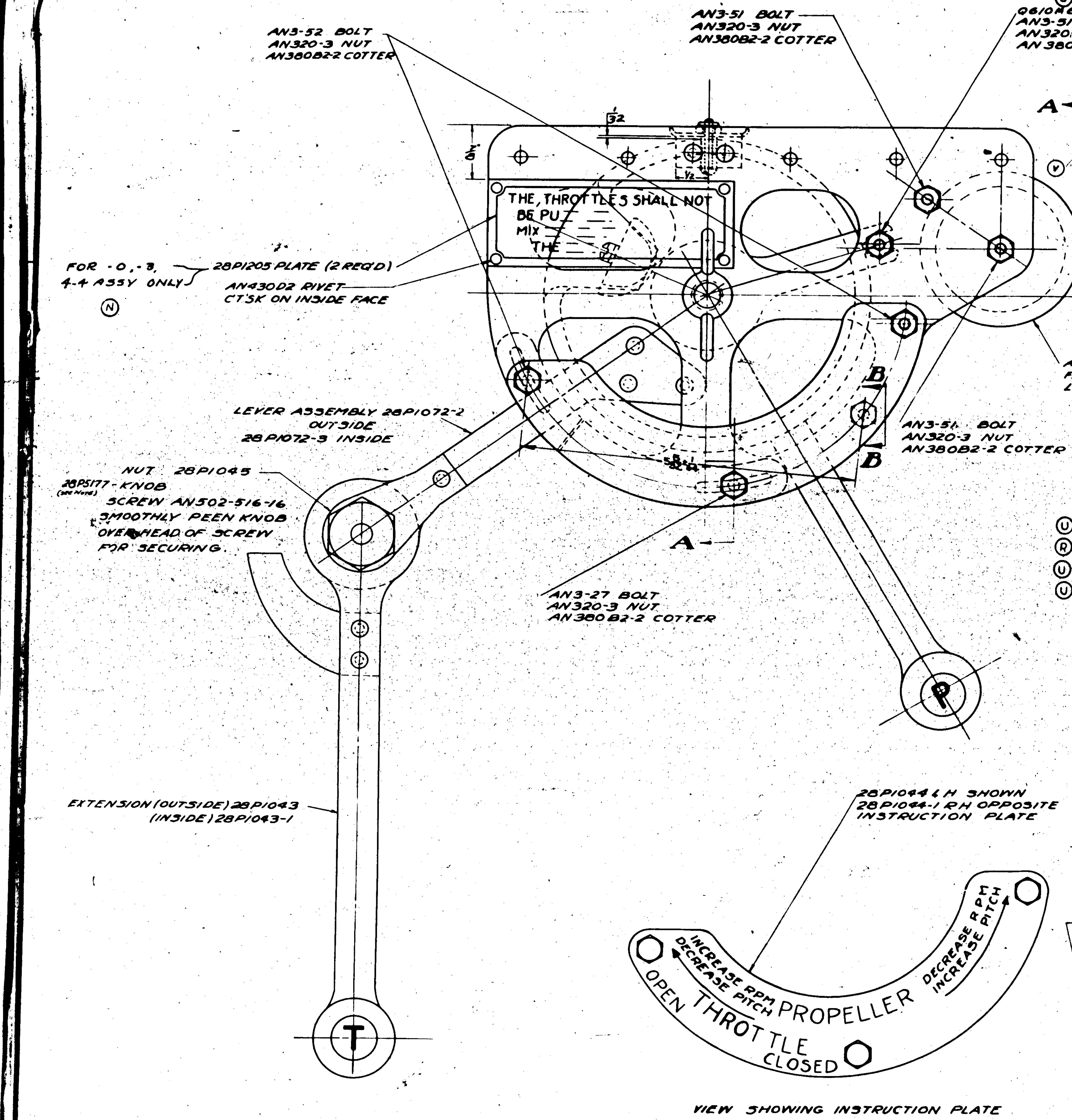
DRAFT	CHECK	EXAM.	ENG.
Henry 4-24-36	7-6-37	Green 5-9-36	

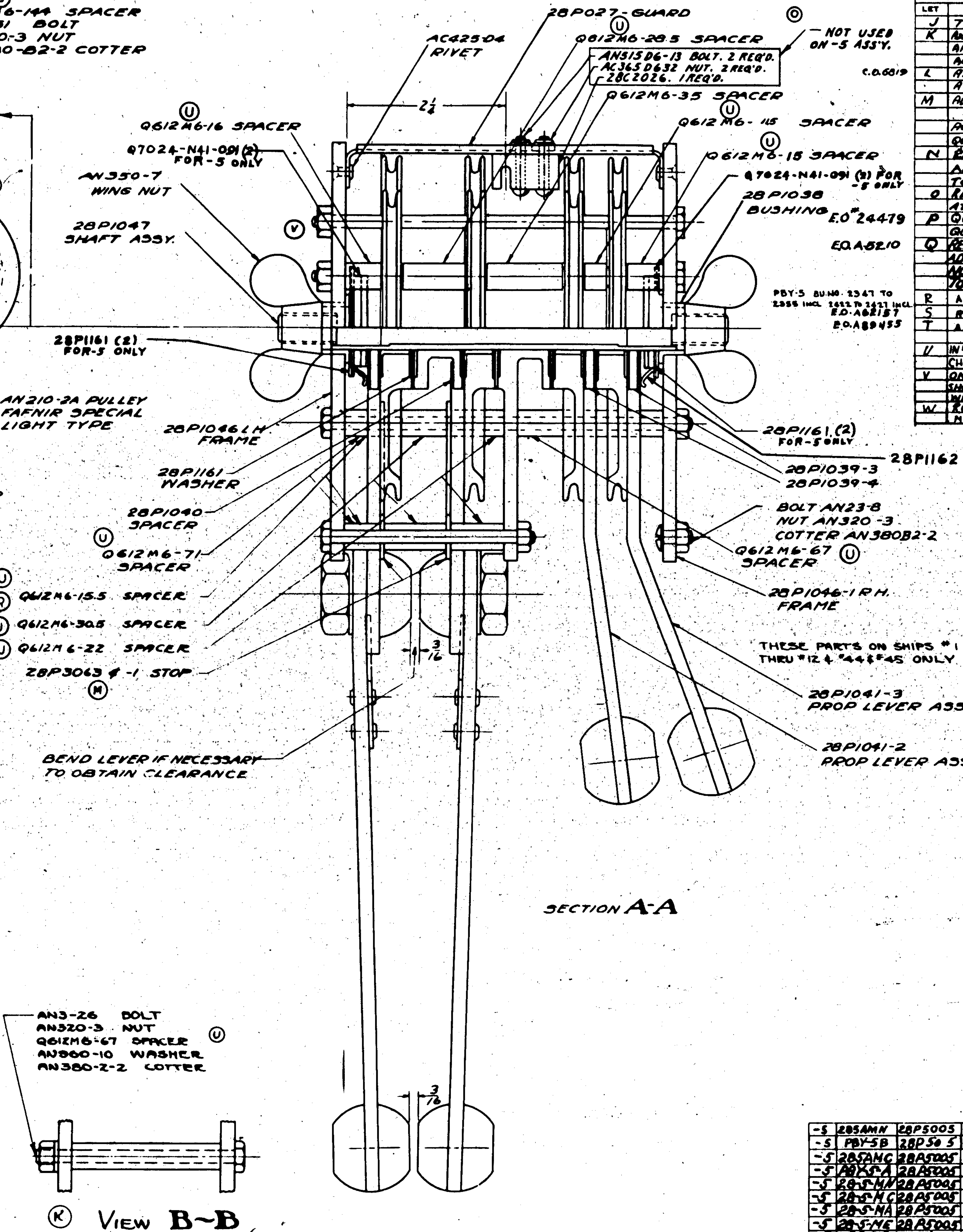
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME BRACKET-ENG. CONTROLS SPAR PULLEY BANK

OPP. HAND

G 28P036





NOTE:-
THIS INSTALLATION USED ON SHIPS #1 THRU #12 & #44 & #45 BU. AERO. #0454 TO #0465 INCL. & #0497 & #0498
PBY- & ON PBY-5 BU# 2347 TO #2355 INC. & #2422 TO #2427 INC.

NOTE:
1. 28P1072-2 & 28P1073-3 LEVERS SHALL BE ADJUSTED SO THAT STOPS ON GOVERNOR WILL BOTTOM WHEN THESE LEVERS ARE 1/8 INCH FROM THEIR MAX. "INCREASE R.P.M." POSITION.
2. 28P053 IS AN INT. ALT. FOR 28P5177

(L) * LIGHT DUTY

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
J	TRACED UP TO DATE	6-10-37	H.W.
K	ADDED VIEW B-B & NOTE. ADDED AN3-26, AN320-3, AN380-2-2, AN960-10 Q612D6-67	8-25-37	DON WHEAT
L	ADDED LIGHT DUTY NOTE TO B/M. ADDED PBY-4 REQ.	1-13-38	DON WHEAT
M	ADDED -4 & -3 ASSEM'S FOR PBY-2 PBY-3 & -4. ON -2 ASSEM. ADDED Q612D6-15.5, 612D6-22, Q612D6-30.5 28P3063 & -1	1-27-38	DON WHEAT
N	REMOVED 28P1205 AN430D2 FROM -3 ASSY TO MAKE -5 ASSY FOR PBY-5	12-20-39	WILLIS
O	REMOVED 28C2026, WITH ATTACHMENT BOLTS, FROM -5 ASSY.	6-12-40	ASHBY
P	Q612D6-115 WAS Q612D6-13.5 Q612D6-15 WAS Q612D6-13	11-1-40	WILSON
Q	REMOVED WORD "ONLY" FROM NOTE ADDED WORDS "& ON PBY-5 BU. NO. 2347 TO 2355 INC. & # 2422 TO # 2427 INC.	5-1-41	HOLLY
R	ADDED NOTE	5-13-41	[illegible]
S	REMOVE. 28P1162(2) WT. CHG. NEG.	1-4-43	WINTER
T	ADD. 28P1161(2) & Q7024-N41-091(2) WT. CHG. NEG.	1-4-43	WINTER
U	IN B/M & FACE OF DWG CHG Q612D6 TO Q612M6 CHG Q610D6-144 TO Q610M6-144 NEG WT. CHG	5-1-43	[illegible]
V	ON FACE OF DWG & SEC. A-A NUTS SHOWN ON L. SIDE OF CONTROL UNIT WERE ON R. SIDE NO WT. CHG	5-29-43	[illegible]
W	REPL. 28P053 WITH 28P5177. ADDED NOTE 2. NEG. WT. CHG.	10-1-45	[illegible]

PARTS	-0	-4	-3	-5
Q612M6-30.5			2	2
Q612M6-22			2	2
Q612M6-15.5			2	2
28P3063-1			1	1
28P3063			1	1
Q612M6-67		1		
AN960-10		1		
AN380-2-2		1		
AN320-3		1		
AN3-26		1		
28C2026		1	1	
AN515D6-13		2	2	
AC365D632		2	2	
Q612M6-15	1	1	1	1
Q612M6-71	3	3	1	1
Q612M6-67	2	2	2	2
Q612M6-35	1	1	1	1
Q612M6-28.5	1	1	1	1
Q612M6-16	1	1	1	1
Q612M6-11.5	1	1	1	1
Q610M6-144	1	1	1	1
Q7024-N41-091				4
28P1205	2	2	2	
28P1072-3	1	1	1	1
28P1072-2	1	1	1	1
28P1047	1	1	1	1
28P1045	2	2	2	2
28P1044-1	1	1	1	1
28P1044	1	1	1	1
28P1043-1	1	1	1	1
28P1043	1	1	1	1
28P1041-3	1	1	1	1
28P1041-2	1	1	1	1
28P1040	1	1	1	1
28P1039-3	2	2	2	2
28P1038	2	2	2	2
28P1046-1	1	1	1	1
28P1046	1	1	1	1
28P1039-4	1	1	1	1
28P027	1	1	1	1
28P1162	2	2	2	
28P1161	10	10	10	14
28P5177	2	2	2	2
AN210-2A	4	4	4	4
AN23-8	1	1	1	1
AN502-516-16	2	2	2	2
AN430D2	8	8	8	
AC425-04	4	4	4	4
AN380-B2-2	7	7	7	7
AN350-7	2	2	2	2
AN320-3	7	7	7	7
AN3-51	3	3	3	3
AN3-52	2	2	2	2
AN3-27	1	1	1	1

PARTS LIST PER ASSY

O.H.	MODEL	NEXT ASSY.	REQ.
-5	28-5AMN	28P5005	1
-5	PBY-5B	28P5005	1
-5	28-5AMC	28P5005	1
-5	PBY-5A	28P5005	1X
-5	28-5-MN	28P5005	1
-5	28-5-MC	28P5005	1
-5	28-5-MA	28P5005	1
-5	28-5-ME	28P5005	1
-5	PBY-5	28P5005	1
-3	PBY-4	28P3008	
-3	PBY-3	28P3008	
-4	PBY-2	28P2008	
-0	XP3Y-1	28P1002	
-0	PBY-1	28P1008	

REQUIREMENTS PER AIRPLANE

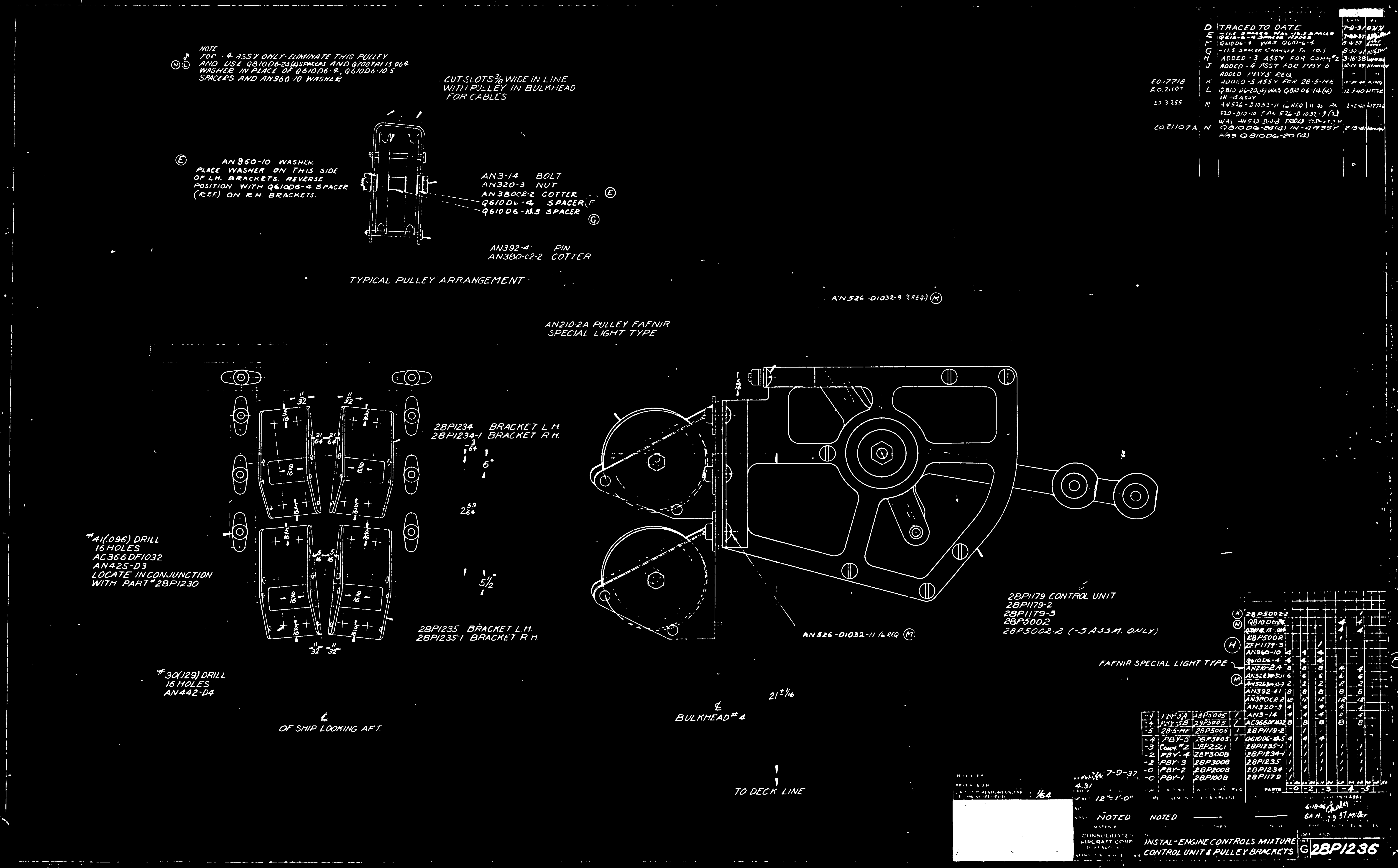
REPLACES 28P1050 OF 10-30-35
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NOTED
APPROVED [illegible] DATE 6-10-37
CALC. WT. 5.38 ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY SEE DETAILS — SEE DETAILS — SEE DETAILS — SEE DETAILS
MATERIAL — SPEC. — HEAT TREAT — FINISH
DRAFT KALLAS 12-10-35 — CHECK 6-17-37 — EXAM. 3-11-36 — ENG.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. NO. WHERE SHOWN

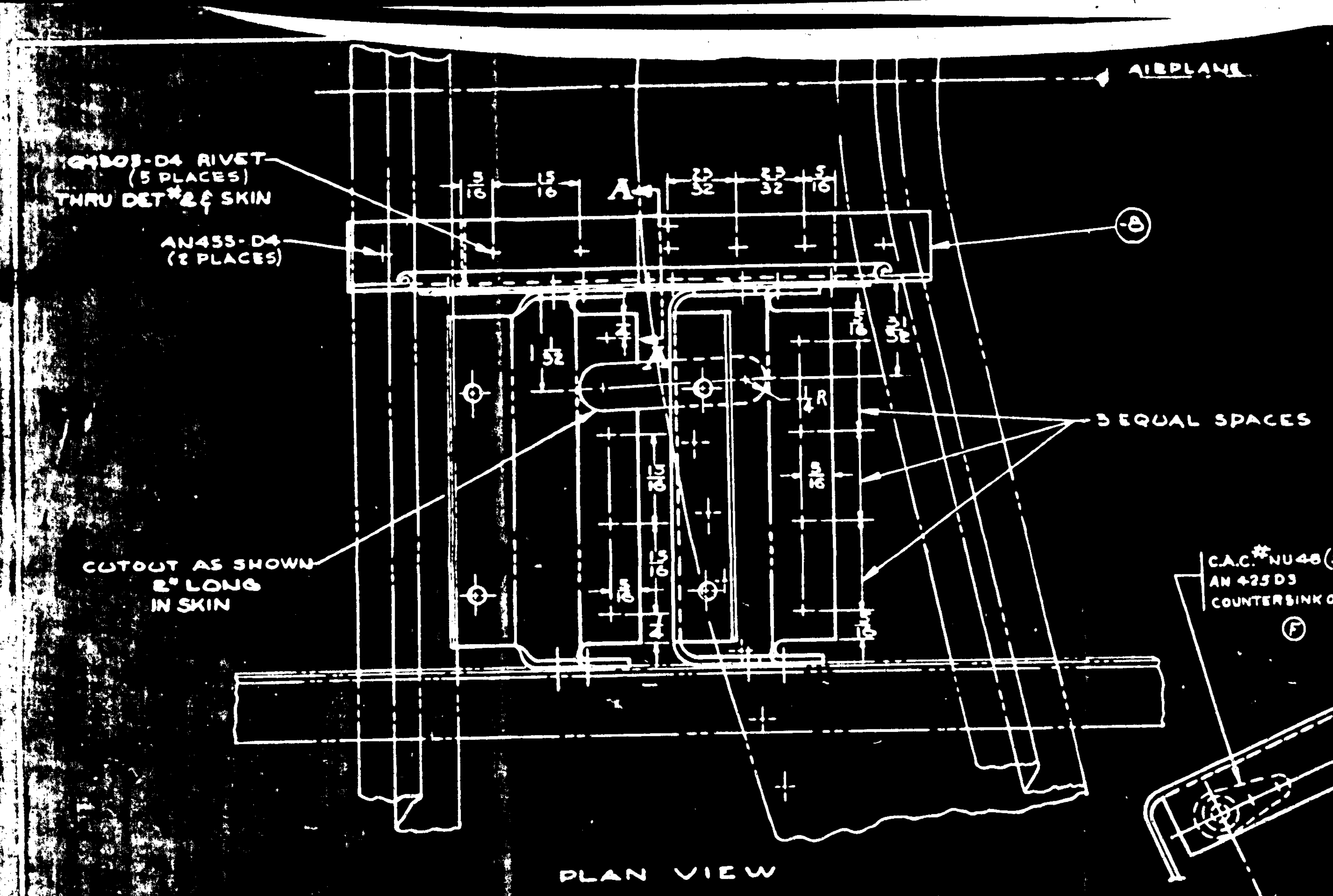
NAME CONTROL UNIT-ENGINE CONTROLS-THROTTLE AND PROPELLER

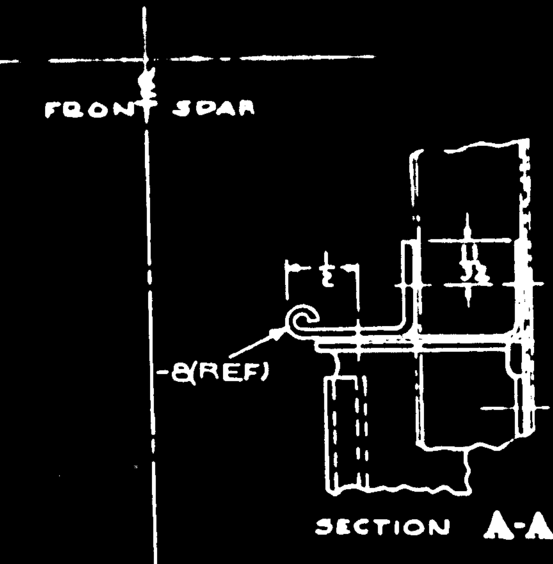
OPP HAND
DWG SIZE G
28P1050

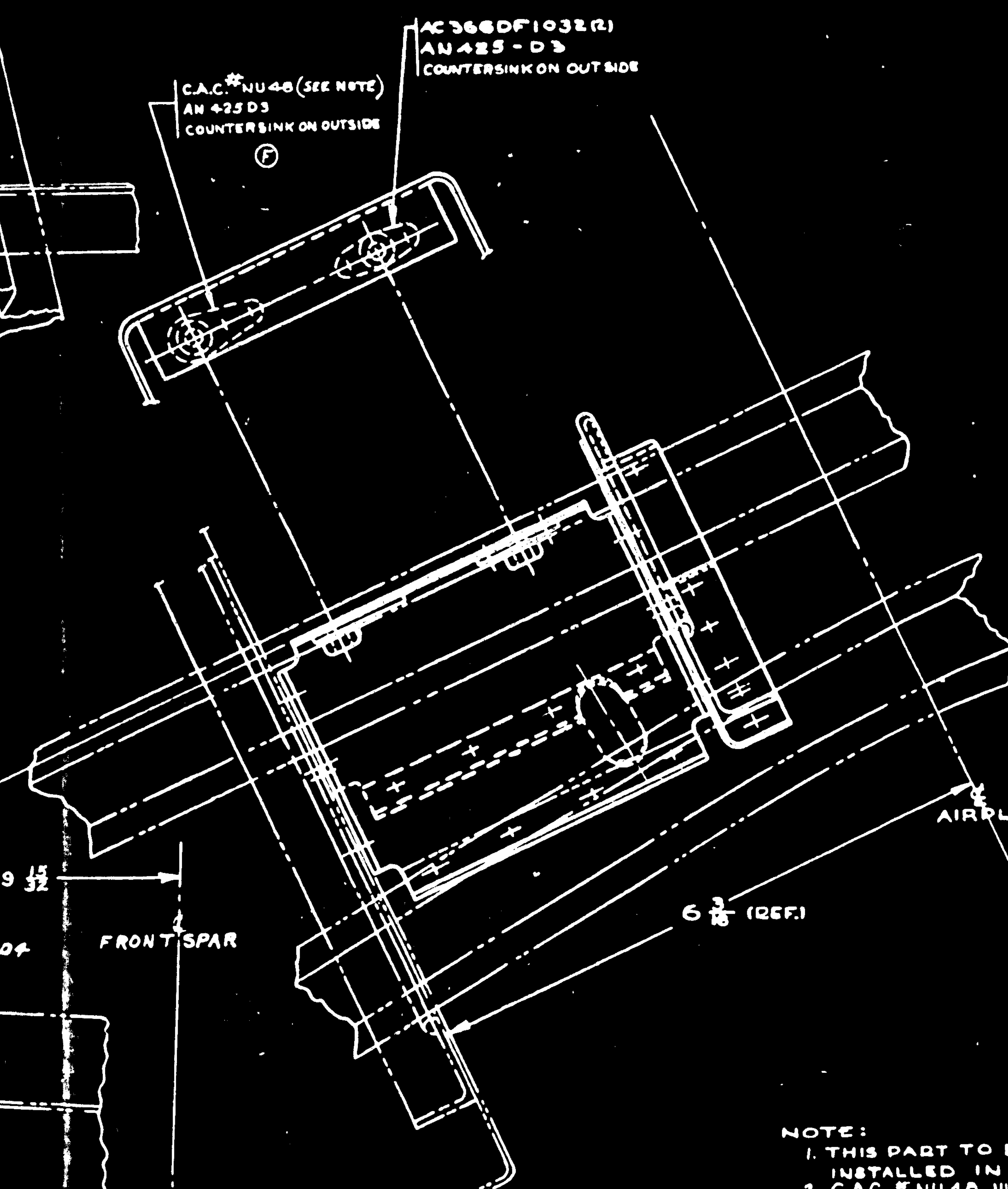
R 28P1050

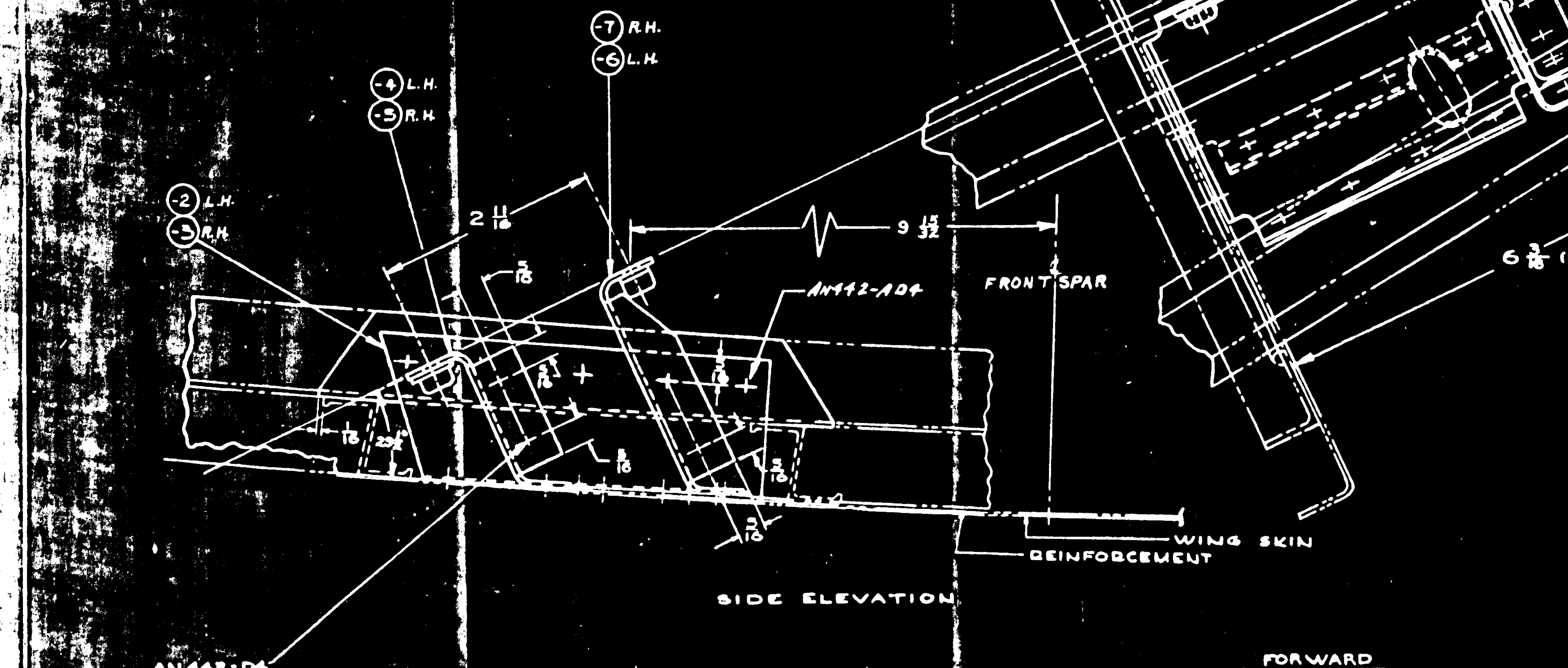


NOTE
FOR -4 ASS'Y ONLY-ELIMINATE THIS PULLEY AND USE Q810D6-24(4)SPACERS AND Q700 7A113 064 WASHER IN PLACE OF Q610D6-4, Q610D6-10.5 SPACERS AND AN960-10 WASHER
CUT SLOTS 3/8 WIDE IN LINE WITH PULLEY IN BULKHEAD FOR CABLES
AN960-10 WASHER PLACE WASHER ON THIS SIDE OF L.H. BRACKETS. REVERSE POSITION WITH Q610D6-4 SPACER (REF) ON R.H. BRACKETS.
AN3-14 BOLT
AN320-3 NUT
AN380C2-2 COTTER
Q610D6-4 SPACER
Q610D6-10.5 SPACER
AN392-4 PIN
AN380-C2-2 COTTER
TYPICAL PULLEY ARRANGEMENT
AN526-D1032-9 (2 REQ)
AN210-2A PULLEY FAFNIR SPECIAL LIGHT TYPE
28P1234 BRACKET L.H.
28P1234-1 BRACKET R.H.
#41(.096) DRILL 16 HOLES AC366DF1032 AN425-D3 LOCATE IN CONJUNCTION WITH PART #28P1230
28P1235 BRACKET L.H.
28P1235-1 BRACKET R.H.
#30(.129) DRILL 16 HOLES AN442-D4
℄ OF SHIP LOOKING AFT
AN526-D1032-11 (6 REQ)
℄ BULKHEAD #4
TO DECK LINE
28P1179 CONTROL UNIT
28P1179-2
28P1179-3
28P5002
28P5002-2 (-5 ASSM. ONLY)
FAFNIR SPECIAL LIGHT TYPE
D TRACED TO DATE 7-9-37
E -11.5 SPACER WAS -12.5 SPACER Q610D6-4 SPACER ADDED
F Q610D6-4 WAS Q610-6-4 8-16-37
G -11.5 SPACER CHANGED TO 10.5
H ADDED -3 ASS'Y FOR COMM #2 3-16-38
J ADDED -4 ASS'Y FOR PBY-5 12-19-39
ADDED PBY5 REQ
E.O.17718 K ADDED -5 ASS'Y FOR 28-5-ME KING
E.O.2.107 L Q810 D6-20(4) WAS Q810 D6-14(4) IN -4 ASSY. 12-7-40
E.O.3.255 M AN526-D1032-11 (6 REQ.) WAS AN520-D10-10 & AN526-D1032-9 (2) WAS AN520-D10-8 LITTLE
E.O.21107A N Q810D6-24(4) IN -4 ASSY. WAS Q810D6-20(4)
-5 28-5-ME 28P5005
-4 PBY-5B 28P5005
-4 PBY-5 28P5005
-3 COMM. #2 28P2501
-2 PBY-4 28P3008
-2 PBY-3 28P3008
-0 PBY-2 28P2008
-0 PBY-1 28P1008
28P5002-2
Q810D6-24
28P5002
28P1179-3
AN960-10
Q610D6-4
AN210-2A
AN392-4
AN380C2-2
AN320-3
AN3-14
AC366DF1032
28P1179-2
Q610D6-10.5
28P1235-1
28P1234-1
28P1235
28P1234
28P1179
PARTS -0 -2 -3 -4 -5
1/64
7-9-37
SCALE 12"=1'-0"
NOTED
NOTED
CONSOLIDATED AIRCRAFT CORP
INSTAL-ENGINE CONTROLS MIXTURE CONTROL UNIT & PULLEY BRACKETS
G 28P1236









LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
E	TRACED, REMOVED DETAIL						
	DIMENSIONS OF -2, -3, -4, -5,						
	-6, -7, -8, & -3.						
	CREATED SHEET 2	6-21-43	DEWAY				
F	ADDED NOTE "CAC #NU48(2) ELASTIC						
	STOP NUT 68A17-02						
	AC366DF1032 (2) WAS (4) ADDED						
	CAC NU48 (2) WT. CHG. NEG.	[illegible]	[illegible]				
G	IN BM FOR -8 REPLACED Y-5-						
	A7T X 6 1/4" WITH "NOTED" &						
	ADDED "NOTED" TO MAT'L & SPEC						
	ADDED NOTE #4. NO WT. CHG.	[illegible]	[illegible]				

NOTE:
1. THIS PART TO BE INSTALLED IN #28W017
2. C.A.C. #NU48 NUT. MAY BE PURCHASED FROM ELASTIC STOP NUT CORP. UNION, N.J. VENDORS NO. 68A17-02 OR EQUIV.
3. SEE SHEET 2 FOR DETAILS
(G) 4. MATERIAL FOR -8 MAY BE:
(A) Y-5-A7T X 6 1/4, OR
(B) K1298 X 6 1/4, AL. AL EXTR., SPEC. QQ-A-354-T

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-R	28-5AMN	28P1239	1
-L	28-5AMN	28P1239	1
-R	28-5AMC	28P1239	1
-L	28-5AMC	28P1239	1
-R	28-5MN	28P1239	1
-L	28-5MN	28P1239	1
-R	28-5ME	28P1239	1
-L	28-5ME	28P1239	1
-R	28-5MC	28P1239	1
-L	28-5MC	28P1239	1
-R	28-5MA	28P1239	1
-L	28-5MA	28P1239	1
-R	PBY-5B	28P1239	1
-L	PBY-5B	28P1239	1
-R	PBY-5A	28P1239	1
-L	PBY-5A	28P1239	1
-R	PBY-5	28P1239	1
-L	PBY-5	28P1239	1
-R	PBY-4	28P1239	1
-L	PBY-4	28P1239	1
-R	PBY-3	28P1239	1
-L	PBY-3	28P1239	1
-R	PBY-2	28P1239	1
-L	PBY-2	28P1239	1
-R	PBY-1	28P1239	1
-L	PBY-1	28P1239	1

REQUIREMENTS PER AIRPLANE

REPLACES 28P1258 OF 6-19-36 — .31 # CALC WT

REPLACED BY — ACT WT

LIMITS ON DIMENSIONS: ±1/64 ∠ ±1/2° — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ.
CAC #NU48	ELASTIC STOPNUT			2 2
AC366DF1032				2 2
AN425-D3				
AN455-D4				
-8	NOTED	NOTED	NOTED	1 1
-7	.064 x 4 1/4 x 5 1/4	AL. ALL.	47A10-T	1
-6	.064 x 4 1/4 x 5 1/4	AL. ALL.	47A10-T	1
-5	.064 x 3 1/4 x 3 1/4	AL. ALL.	47A10-T	1
-4	.064 x 3 1/4 x 3 1/4	AL. ALL.	47A10-T	1
-3	.030 x 2 1/2 x 5	AL. ALL.	47A10-T	1
-2	.030 x 2 1/2 x 5	AL. ALL.	47A10-T	1
				-0

PARTS LIST PER ASSY

A C — NAVY — HEAT TREAT — ZP — FINISH

BOURQUE — 3-10-36 — DRAFT / CHECK / STRUCT / MAT / APPROV / ENG.

NAME SUPPORT INST.- ENG. CONTROLS MIXT. CONT. WING C/L TO PULLEY BR'K'T

OPP. HAND 28P1258-R

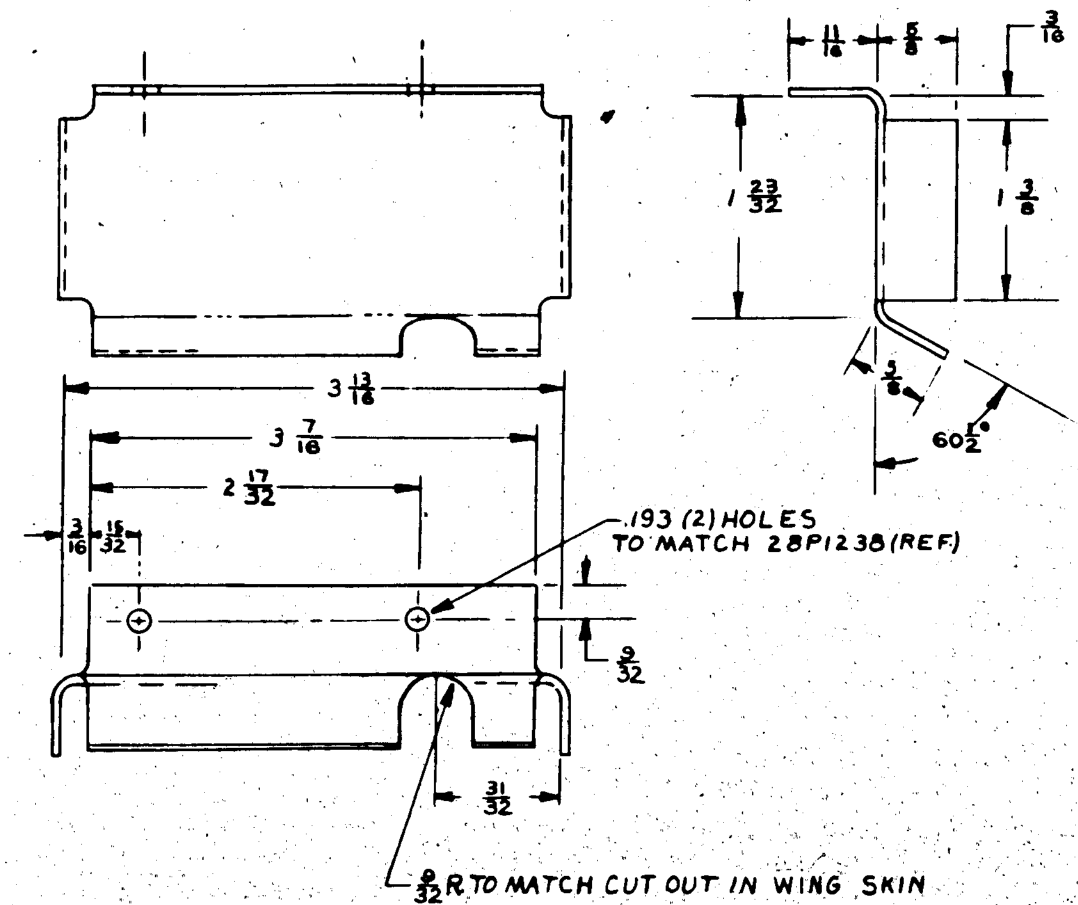
G — 28P1258 SHEET 1 OF 2

CONSOLIDATED AIRCRAFT CORP. W.F. SAN DIEGO, CALIF.

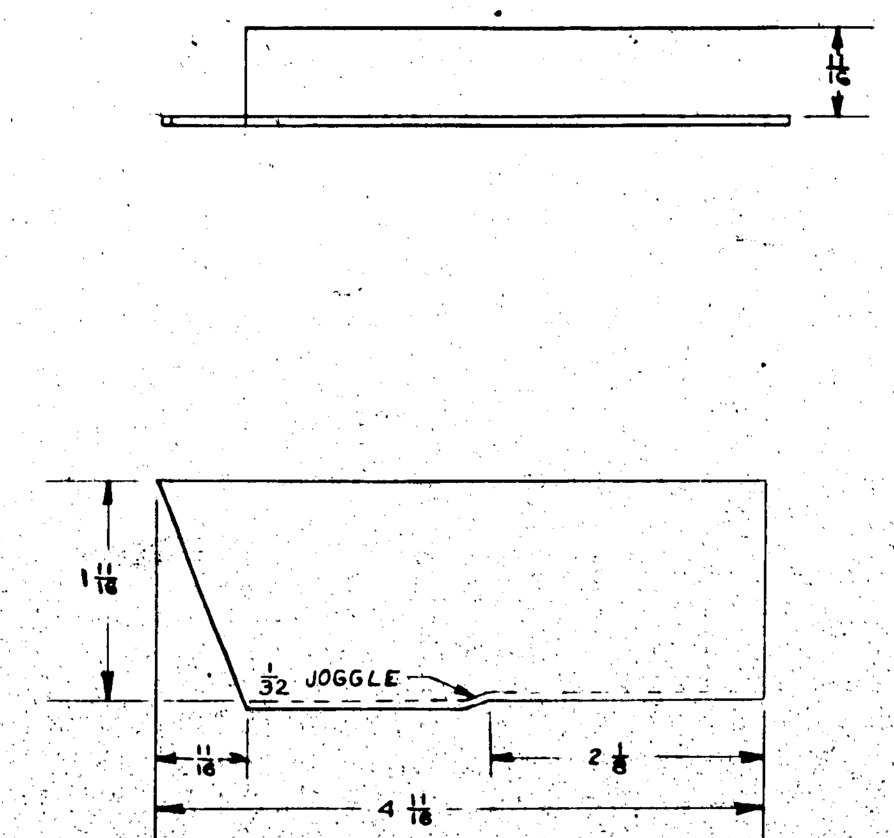
FILE

R 28P1258

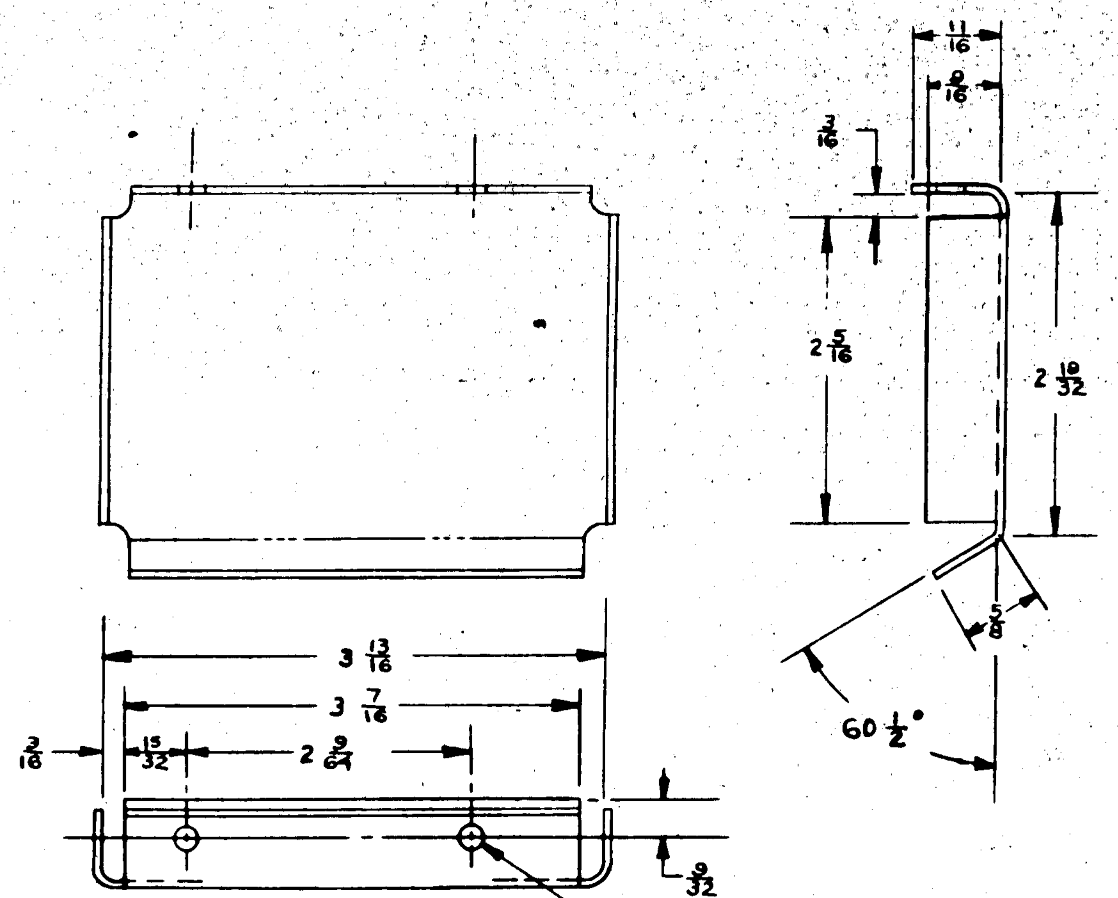
LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY



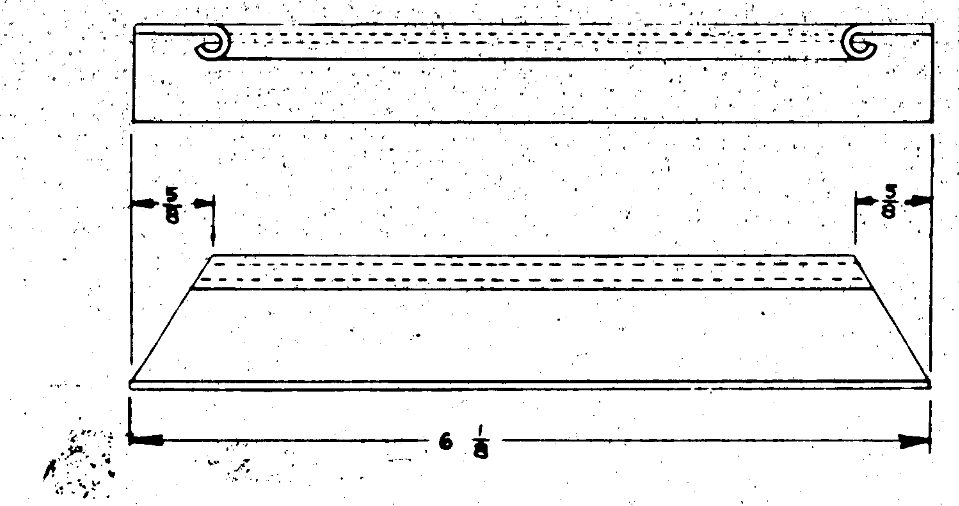
DETAIL - 4 (-5 R.H.)



DETAIL -2 (-3 R.H.)



DETAIL -6 (-7 R.H.)



DETAIL - 8

NOTE:
ALL BEND & RELIEF RADII

SEE SHEET 1 OF 2 FOR B/M

	PBY-1		
ASSY DASH No	MODEL	NEXT ASSY.	REQ.
REQUIREMENTS PER AIRPLANE			
REPLACES		CALC. WT	
REPLACED BY		ACT. WT	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED		SCALE 12" = 1'-0"	
STAMP PART NUMBER WHERE SHOWN			

PART No	STOCK	MATERIAL	SPEC.	LH RH REQ.	LH RH REQ.	LH RH REQ.	LH RH REQ.	LH RH REQ.
-6								
PARTS LIST PER ASSY.				-0	-2	-3	-4	-5

A C		DE KAY					
NAVY		5-21-40	[signature]				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG.

NAME SUPPORT INST.-ENG. CONTROLS MIXT. CONT. WING CNT'R PULLEY BRKT.

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

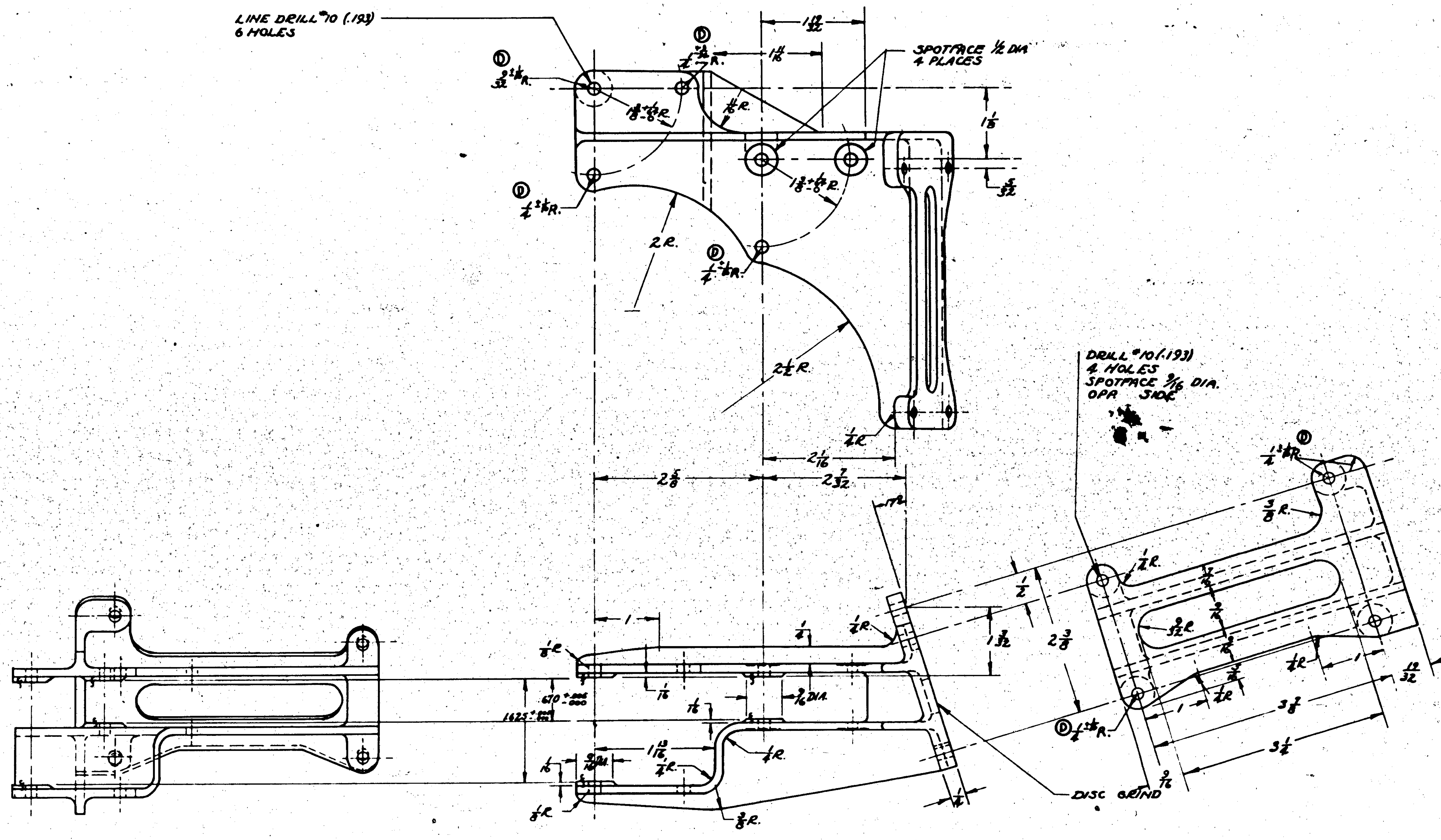
OPP. HAND

DWG. SIZE G — 28P1258 SHEET 2 OF 2

R 28P1258

E.O. 22865

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
C	TRACED	[illegible]	[illegible]
D	CHANGED DIM. HAD NO TOL. CHANGES	[illegible]	[illegible]



NOTE:
UNLESS OTHERWISE SPECIFIED
ALL WEBS 1/8
ALL FILLETS 1/8
MACHINE LIMITS ±.010
CASTING LIMITS ± 1/32 & 1/2°
REMOVE ALL FINS AND SPRUES

O. N.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A & B	28P3024	1 EA.
-L	PBY-5A & B	28P3024	1 EA.
-1	PBY-5	28P3024	
	PBY-5	28P3024	
-1	PBY-4	28P3024	
	PBY-4	28P3024	
-1	PBY-3	28P3024	
	PBY-3	28P3024	

REQUIREMENTS PER AIRPLANE

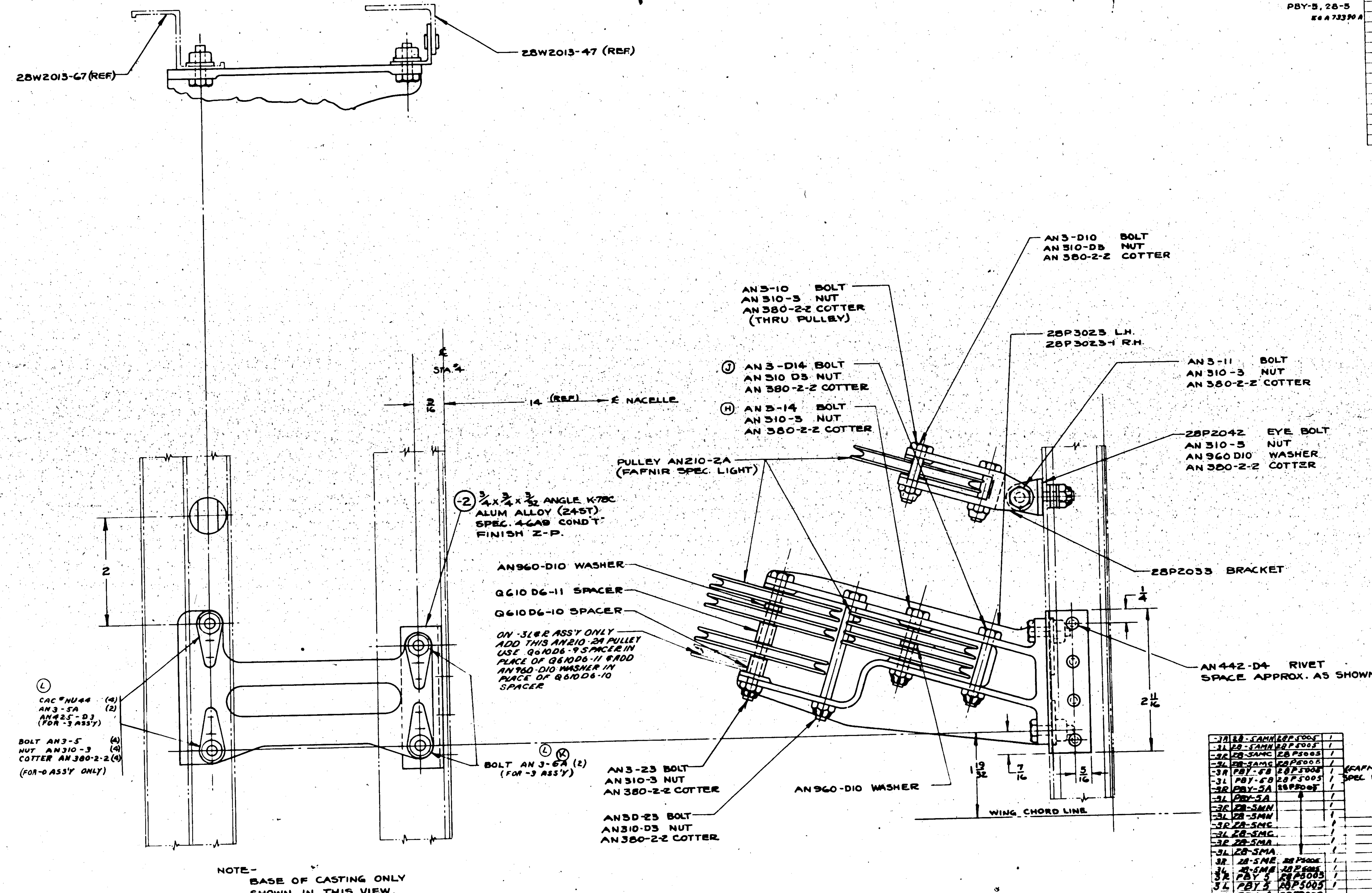
APPROVED: LCW
CALC. WT.: .47
SCALE: 12" = 1'-0"
REPLACES / REPLACED BY: NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY ALUM. ALLOY CASTING	46A1a 4	NONE	E-P-2

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: BRACKET-ENG. CONT'S FRONT SPAR PULLEY

G 28P3023



E.O. 20008
E.O. 20008A
E.O. 37777
PBY-5, 28-5
E.O. A73390 A

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
F	TRACED TO DATE	7-1-38	[illegible]
G	ADDED -3 ASS'Y ADDED PBY-5 [illegible]	10-20-39	[illegible]
H	AN3-14 BOLT WAS AN3-13	8-27-40	[illegible]
J	AN3-D14 BOLT WAS AN3-D13, AN960-D10 WAS 14/SHIP	1-6-41	[illegible]
K	AN3-5 WAS 8/SHIP -3 ASS'Y. AN3-6 ADDED	4-8-41	[illegible]
L	AN310-3 (5) L/R WAS (9) L/R, AN380-2-2 (11) L/R WAS (15) L/R, AN3-6A REPLACES AN3-6, AN3-5A REPLACES AN3-5. ADDED CAC #NU 44 (4) L/R & AN425-D3 IN -3 ASS'Y WT CNG NEG	10-22-42	[illegible]

FINISH CODE

Z	[illegible]
P	[illegible]
AP	[illegible]
C	[illegible]

D.H.	MODEL	NEXT ASSY.	REQ.
-3R	28-5AMN	28P5005	1
-3L	28-5AMN	28P5005	1
-3R	28-5AMC	28P5005	1
-3L	28-5AMC	28P5005	1
-3R	PBY-5B	28P5005	1
-3L	PBY-5B	28P5005	1
-3R	PBY-5A	28P5005	1
-3L	PBY-5A		1
-3R	28-5MN		1
-3L	28-5MN		1
-3R	28-5MC		1
-3L	28-5MC		1
-3R	28-5MA		1
-3L	28-5MA		1
3R	28-5ME	28P5005	1
3L	28-5ME	28P5005	1
3R	PBY 5	28P5005	1
3L	PBY 5	28P5005	1
-1	PBY-4	28P3008	
	PBY-4	28P3008	
-1	PBY-3	28P3008	
	PBY-3	28P3008	

REQUIREMENTS PER AIRPLANE

(FAFNIR SPEC. LIGHT TYPE)

PART NO.	REQ. LH	REQ. RH	-3 REQ. LH	-3 REQ. RH
AN3-5	4	4		
AN3-6A			2	2
Q610D6-9			1	1
AN442-D4				
AN960 D10	6	6	9	9
AN380-2-2	15	15	11	11
AN310-D3	6	6	6	6
AN310-3	9	9	5	5
AN210-2A	6	6	7	7
AN3-D23	2	2	2	2
AN3-23	1	1	1	1
AN3-10	1	1	1	1
AN3-D10	2	2	2	2
AN3-D14	2	2	2	2
AN3-14	1	1	1	1
AN3-11	1	1	1	1
AN3-5A			2	2
CAC NU-44			4	4
Q610D6-11	1	1		
Q610D6-10	1	1		
28P2042	1	1	1	1
28P2033	1	1	1	1
28P3023-1		1		1
28P3023	1		1	
28P3024-2	1	1	1	1

ST'D PARTS | MAT. | PARTS LIST PER ASSY.

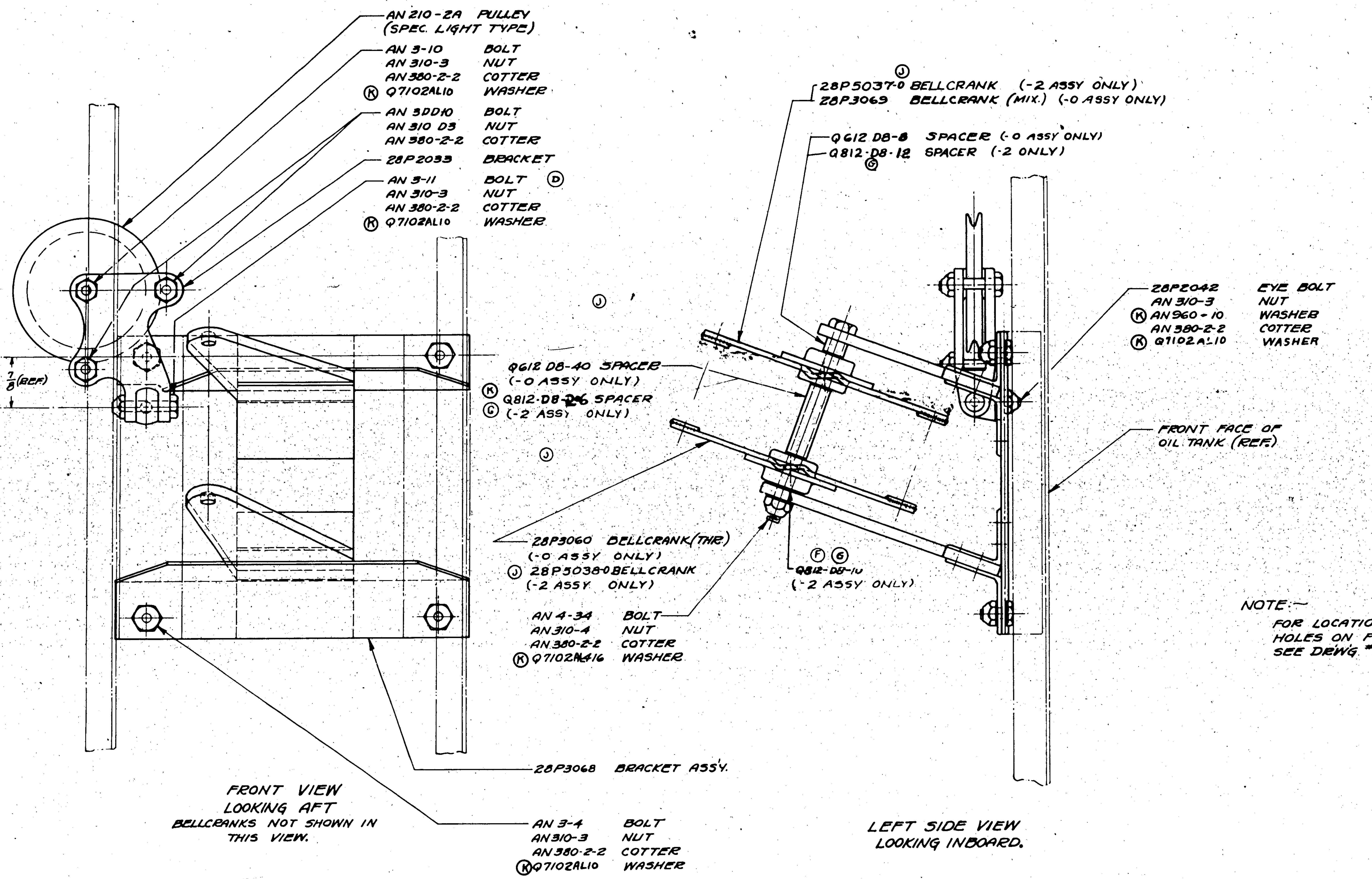
REPLACES
REPLACED BY
APPROVED: RCW — DATE: 7-1-38
CALC. WT.: 1.33 — ACT. WT.: 1.23
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/64
SCALE: 12" = 1'-0"

A C
NAVY: NOTED — MATERIAL
NOTED — SPEC.
NONE — HEAT TREAT
NOTED — FINISH
DRAFT: [illegible] — CHECK: 3-4-37 — EXAM: [illegible] — ENG.: R.

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
STAMP PT. NO. WHERE SHOWN

NAME: BRACKET INSTALL.-ENG. CONT. FRONT SPAR PULLEY

OPP. HAND 28P3024-1
DWG. SIZE G — 28P3024



NOTE:— FOR LOCATION OF BRACKET MOUNTING HOLES ON FRONT OF OIL TANK, SEE DRWG #28-0-3039.

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	C.	TRACED	6-30-38	[illegible]
	D	AN3-11 WAS AN3-10 (1).	7-7-38	SUGGS
		AN3-10 (1) REQ'D. WAS (2).	"	"
	E	REPLACED 28P3069, 28P3060, Q612-D8-40, Q612-D8-8 WITH 28P5037, 28P5038, Q812-D8-4, Q812-D8-20, & Q812-D8-24 TO MAKE -2 ASSY FOR PBY-5	12-20-39	[illegible]
E.O. 19083	F.	Q7006-D17-125 (1) WAS Q812-D8-4	12-4-40	PASHENEK
E.O. 31983	G.	FOR -2 ASSY. Q812-D8-12 WAS Q812-D8-24, Q812-D8-18 WAS Q812-D8-20, Q812-D8-10 WAS Q7006-D17-125	1-20-41	SIMS
E.O. 36104 PBY-5, 28-5 ALL	H	Q812-D8-3 WAS Q812-D8-12; Q812-D8-34 WAS Q812-D8-18; Q812-D8-11 WAS Q812-D8-10 28-5 (ALL) ADDED.	4-16-41	[illegible]
		OFF-SET BELLCRANK ARM ON FACE OF DWG.	4-28-41	PELLAND
E.O. 98649	J	REMOVED PHANTOM VIEWS OF 28P5037 & 5038 & 4/16 OFFSET NOTES, 28P5037-0 WAS 28P5037, 28P5038-0 WAS 28P5038	1-26-43	[illegible]
E.O. #B0205	K	Q812D8-26 (1), AN960-10 (1), Q7102AL10 (3), & Q7102AL16 WAS Q812D8-18 (1), AN960D10 (1), Q7102AL10 (3) & Q7102AL16 RESP. ADDED: Q7102AL10. REVISED REQ PER AIRPLANE BL'K. WT CHG NEG	2-3-43	WINTER

(SPEC. LIGHT TYPE)

PART NO.	-0 REQ.	-2 REQ.
AN960-10	1	1
AN380-2-2	10	10
AN310-4	1	1
AN310-D3	2	2
AN310-3	7	7
AN210-2A	1	1
AN4-34	1	1
AN3-11	1	1
AN3DD10	2	2
AN3-10	1	1
A3-4	4	4
Q812-D8-26		1
Q812-D8-12		1
Q812-D8-10		1
Q7102AL16	2	2
Q7102AL10	14	14
Q612 D8-40	1	
Q612 D8-8	1	
28P5038-0		1
28P5037-0		1
28P3069	1	
28P3068	1	1
28P3060	1	
28P2042	1	1
28P2033	1	1

(K)

O. H.	MODEL	NEXT ASSY.	REQ.
-2	28-5AMN	28P5005	1
-2	PBY-5A	28P5005	1
-2	PBY-5B	28P5005	1
-2	28-5AMC	28P-5005	1
-2	28-5ME	28P-5005	1
-2	28-5MA	28P-5005	1
-2	28-5MC	28P-5005	1
-2	28-5MN	28P-5005	1
-2	PBY-5	28P5005	1
	PBY-4	28P3006	
	PBY-3	28P3006	

REQUIREMENTS PER AIRPLANE

MAT. PARTS LIST PER ASSY -0 -2

REPLACES — APPROVED R.C.D. DATE 6-30-38
REPLACED BY — CALC. WT. 1.00 — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 — SCALE 12"=1'-0"

A C NAVY			
NONE	NONE	NONE	NONE
MATERIAL	SPEC.	HEAT TREAT	FINISH

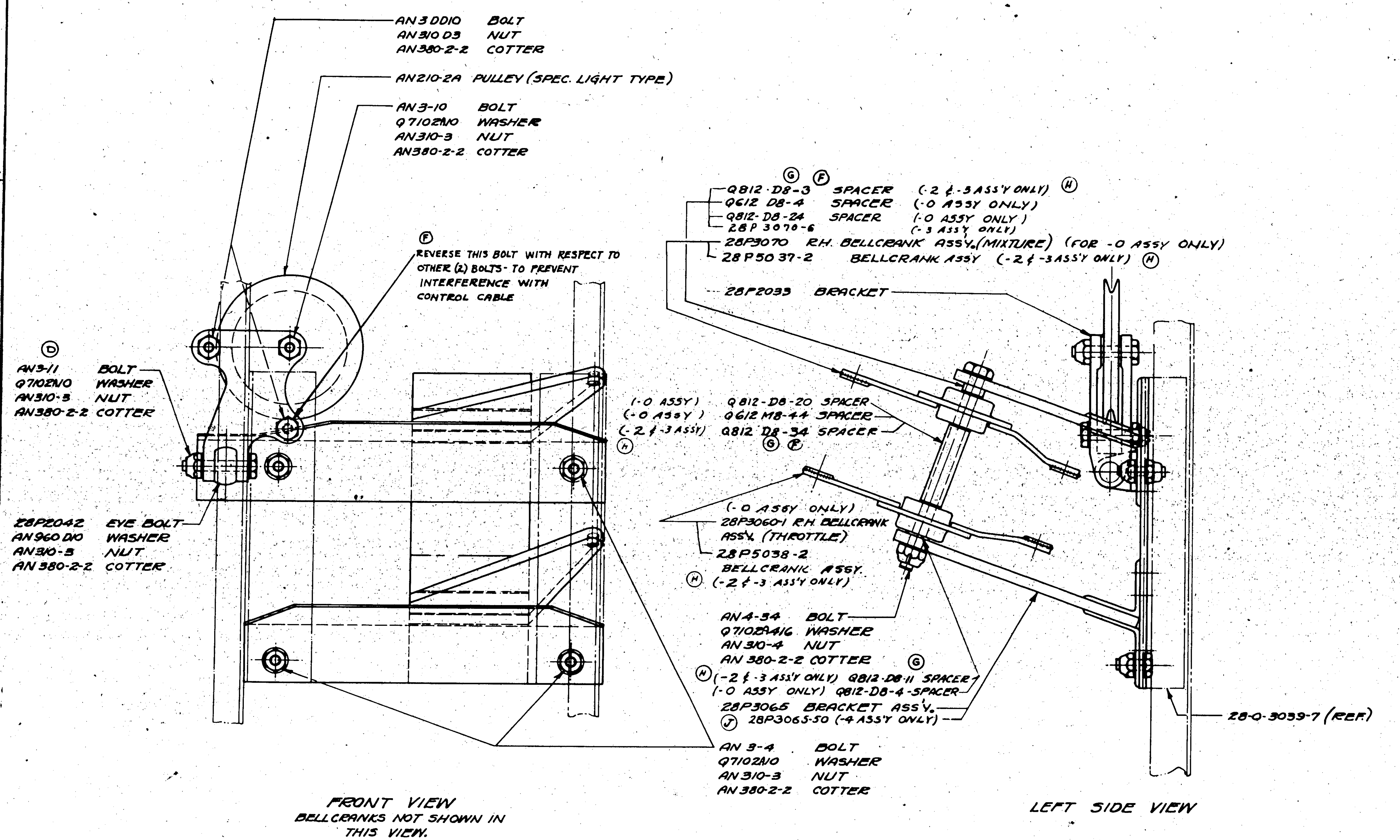
DRAFT SUGGS 2-3-38 — CHECK PELLAND 2-8-38 — EXAM. [illegible]

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME INSTALL.- THROTTLE & MIXT. BELLCRANK BRACKET LEFT.

OPP. HAND

DWG. SIZE G 28P30[illegible]



SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	C.	TRACED UP TO DATE	7-1-38	[illegible]
	D.	AN3-11 WAS AN3-10 (1)	7-7-38	[illegible]
		AN3-10 (1) REQ'D. WAS (2)	"	"
	E	REPLACED 28P3060-1, 28P3070, Q612M8-44 & Q612D8-4 WITH 28P5037-2, 28P5038-2, Q812-D8-4, Q812-D8-20 & Q812-D8-24 TO MAKE -2 ASSY FOR PBY-5	12-20-39	[illegible]
F.O.31982	F	Q812-D8-8 WAS Q812-D8-24 Q812-D8-36 WAS Q812-D8-20 ADDED NOTE	12-27-40	[illegible]
E.O.36104 PBY-5 28-5 ALL MODELS	G	Q812-D8-3 WAS Q812-D8-24, Q812-D8-34 WAS Q812-D8-20, Q812-D8-11 WAS Q812-D8-4.	4-23-41	CRUSE
F.O. APPL PBY-4 SPARES	H	CREATED -3 ASS'Y FOR PBY-4	-11-41	[illegible]
E.O. #A16352A	J	CREATED -4 ASSY.	3-25-42	[illegible]

NOTE:- FOR THE LOCATION OF BRACKET MOUNTING HOLES SEE DWG. # 28-0-3039.

PART NO.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH
28P3070-6					1			
AN960-D10	1		1		1		1	
AN380-2-2	10		10		10		10	
AN310-4	1		1		1		1	
AN310-D3	2		2		2		2	
AN310-3	7		7		7		7	
AN210-2A (SPEC. LIGHT TYPE)	1		1		1		1	
AN3-DD10	2		2		2		2	
AN3-10	1		1		1		1	
AN3-4	4		4		4		4	
AN4-34	1		1		1		1	
AN3-11	1		1		1		1	
28P3065-50							1	
Q812-D8-24	1							
Q812-D8-20	1							
Q812-D8-4	1							
Q812-D8-3			1		1		1	
Q812-D8-34			1		1		1	
Q812-D8-11			1		1		1	
Q7102A416	2		2		2		2	
Q7102N10	12		12		12		12	
Q612M8-44	1							
Q612D8-4	1							
28P5038-2			1		1		1	
28P5037-2			1		1		1	
28P3070-	1							
28P3065	1		1		1			
28P3060-1	1							
28P2042	1		1		1		1	
28P2033	1		1		1		1	

PARTS LIST PER ASSY.

	O.H.	MODEL	NEXT ASSY.	REQ
C-77713 & 88476	-4	PBY-5A	28P5005	1
	-2	PBY-5A	28P5005	1
C-70496	-2	PBY-5A	28P5005	1
	-2	28-5, ALL	28P5005	1
	-2	PBY-5	28P5005	1
	-3	PBY-4	28P3008	
	-0	PBY-3	28P3008	

REQUIREMENTS PER AIRPLANE

REPLACES — APPROVED: LCW 7-1-38 — DATE

REPLACED BY — CALC. WT. 1.36 — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

A C

NAVY	NONE	NONE	NONE	NONE
	MATERIAL	SPEC.	HEAT TREAT	FINISH

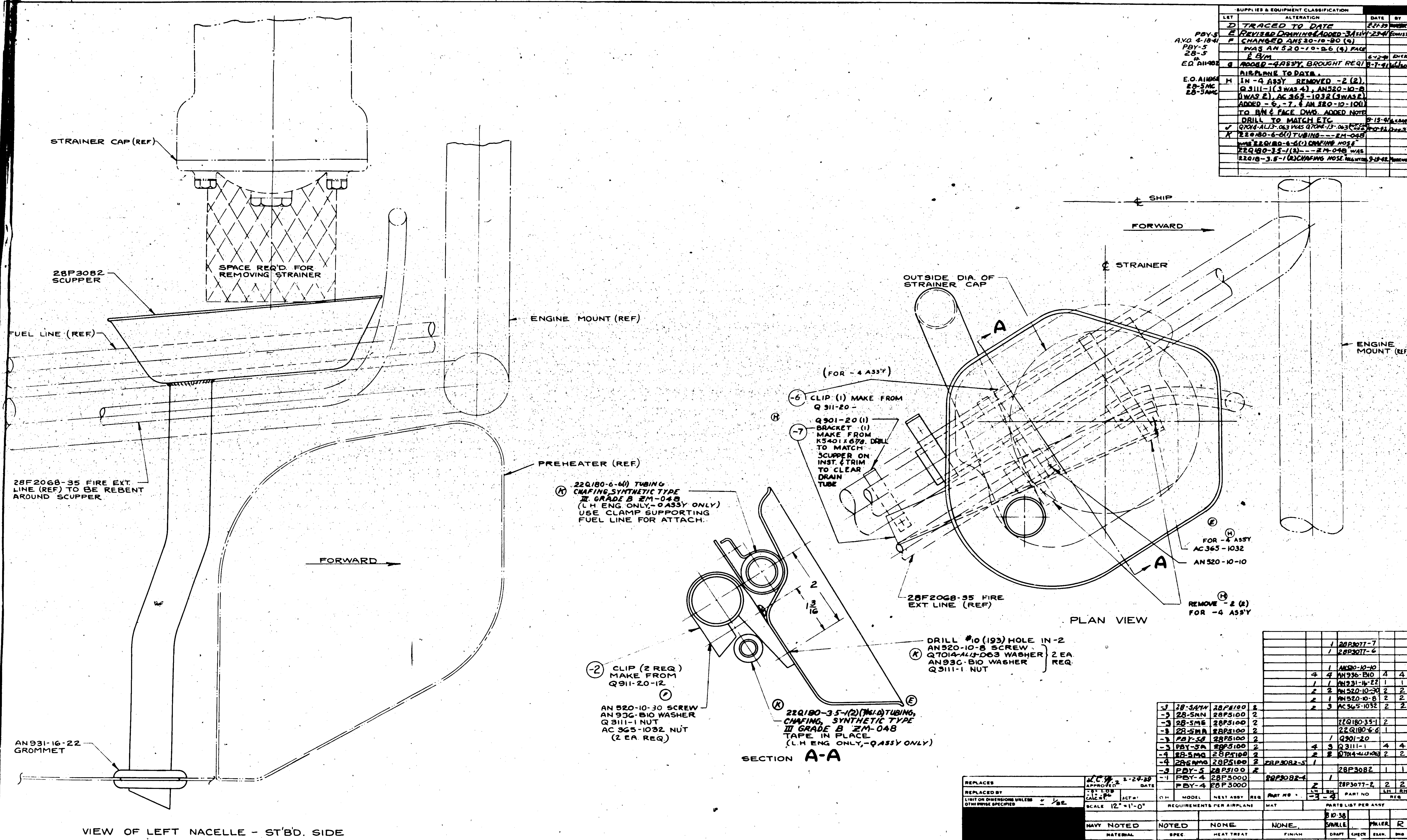
DRAFT: [illegible] 2-3-38 — CHECK: [illegible] 2-3-38 — EXAM.: [illegible] — ENG.: R

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: INSTALLATION THROTTLE & MIXTURE BELLCRANK BRACKET RIGHT

OPP. HAND

DWG. SIZE G — 28P3067



SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	D	TRACED TO DATE	2-21-39	[illegible]
PBY-5	E	REVISED DRAWING & ADDED -3 ASS'Y	1-23-41	EDMISTON
A.V.O. 4-18-41	F	CHANGED AN520-10-30 (4)		
PBY-5		WAS AN520-10-26 (4) FACE		
28-5		& B/M	6-2-41	DICK
E.O. # A11482	G	ADDED -4 ASS'Y, BROUGHT REQ'D	8-7-41	Wilson
		AIRPLANE TO DATE.		
E.O. A11868	H	IN -4 ASSY REMOVED -2 (2),		
28-5MC		Q3111-1 (3 WAS 4), AN520-10-8		
28-5AMC		(1 WAS 2), AC365-1032 (3 WAS 2),		
		ADDED -6, -7, & AN520-10-10 (1)		
		TO B/M & FACE DWG. ADDED NOTE		
		DRILL TO MATCH ETC	8-15-41	[illegible]
	J	Q7014-AL13-.063 WAS Q7014-13-.063 (WT. CHG. NEG.)	[illegible]	[illegible]
	K	22Q180-6-6(1) TUBING---ZM-048		
		WAS "22Q180-6-6(1) CHAFING HOSE"		
		22Q180-3.5-1(2)---ZM-048 "WAS		
		22Q18-3.5-1 (2) CHAFING HOSE." NEG WT. CHG.	9-19-42	[illegible]

OH	MODEL	NEXT ASSY	REQ	PART NO	-3 LH	-4 RH	PART NO	REQ LH	REQ RH
						1	28P3077-7		
						1	28P3077-6		
						1	AN520-10-10		
					4	4	AN936-B10	4	4
					1	1	AN931-16-22	1	1
					2	2	AN520-10-30	2	2
					2	1	AN520-10-8	2	2
-3	28-5AMN	28P5100	2		2	3	AC365-1032	2	2
-3	28-5MN	28P5100	2						
-3	28-5ME	28P5100	2				22Q180-35-1	2	
-3	28-5MA	28P5100	2				22Q180-6-6	1	
-3	PBY-5B	28P5100	2			1	Q901-20		
-3	PBY-5A	28P5100	2		4	3	Q3111-1	4	4
-4	28-5MG	28P5100	2		2	2	Q7014-AL13-063	2	2
-4	28-5AMG	28P5100	2	28P3082-5	1				
-3	PBY-5	28P5100	2				28P3082	1	1
-1	PBY-4	28P3000		28P3082-4		1			
	PBY-4	28P3000			2		28P3077-2	2	2

REQUIREMENTS PER AIRPLANE — MAT — PARTS LIST PER ASSY

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/32
APPROVED	L.C.W. 2-24-39 DATE
CALC. WT.	-3 1.08, -1 .96
ACT WT	
SCALE	12" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG
NAVY NOTED	NOTED	NONE	NONE.	SAVILLE 8-10-38		MILLER	R

CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.

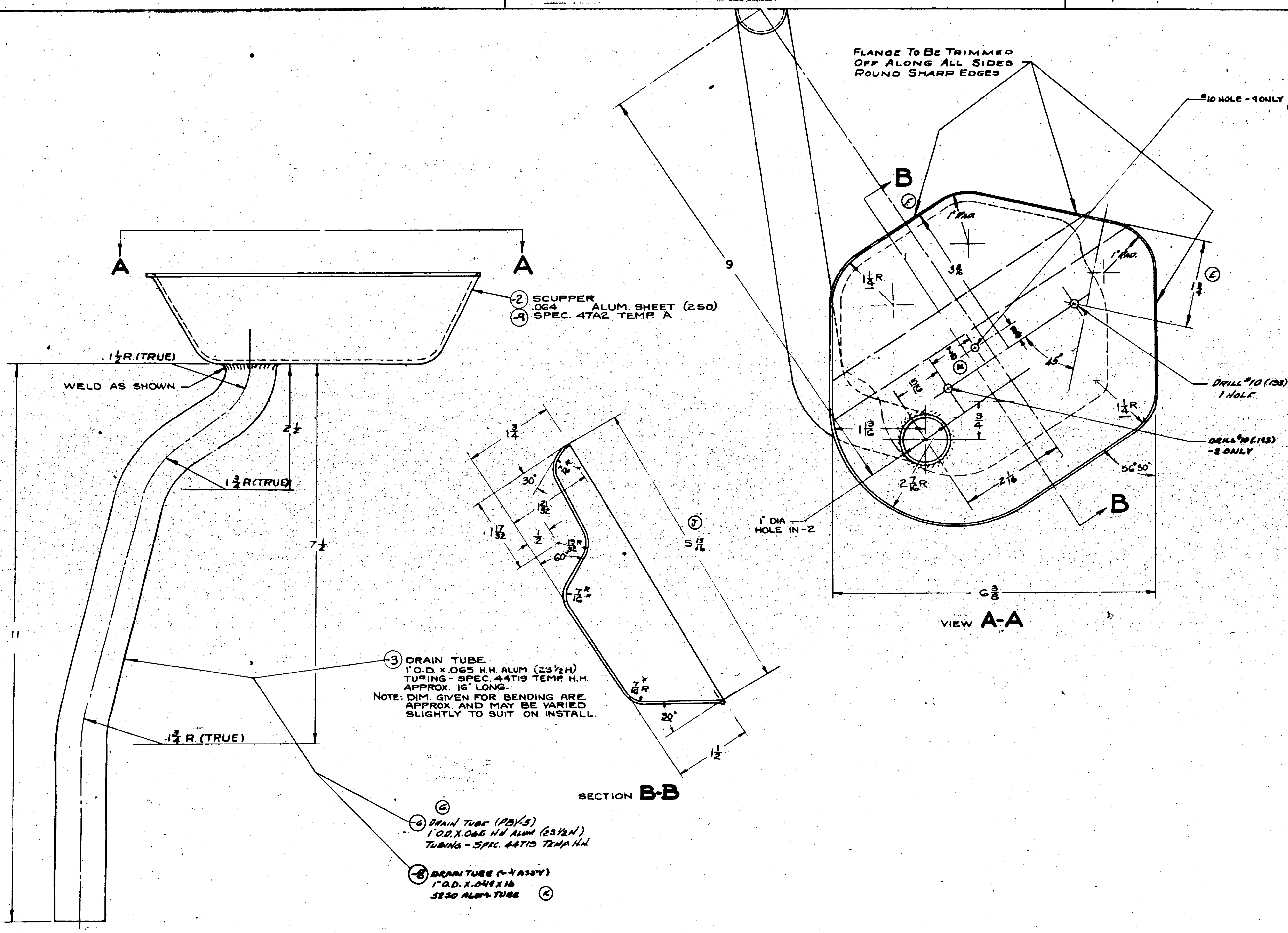
STAMP PT. No. WHERE SHOWN

NAME: INSTALL.-P.P. OIL DRAIN SCUPPER.

OPP. HAND 28P3077-1

DWG SIZE G 28P3077

R 28P3077



LET	ALTERATION	DATE	BY
D	TRACED	2-23-39	TAUBER
E.	CONTOUR CHANGED - 1" RAD. ADDED - 2" DIM ADDED - 45° ANGLE ADDED - 2 7/16 R. RELOCATED (E.O. 24579)	11-26-40	
F.	FLANGE REWORKED & TRIMMED 2 5/16 DIM. REMOVED - 3⅞ DIM. ADDED (E.O. 23038)	11-27-40	
G.	-6 USED FOR PBY-5 WAS -3 -5 ASSIGNED REPLACING -0 ASSY. FOR PBY-5 (E.O. 21075)	11-3-41	
H	REVISED DRAWING	1-14-40	EDMISTON
J	6½ WAS 5⅞ IN SECTION BB (E.O. 35953)	8-13-41	
K.	ADD-4 ASSY, #10 HOLE IN -9 & LOCATING DIM. ADD-8 NOTE. BROUGHT P&O/AIRPLANE TO DATE (E.O. 11482)		

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY.	REQ.
-5	PBY-5A	28P3077	2
-5	28-5MN	28P3077	2
-5	28-5ME	28P3077	2
-5	28-5MA	28P3077	2
-5	PBY-5B	28P3077	2
-4	28-5AMC	28P3077	2
-4	28-5MC	28P3077	2
-5	PBY-5	28P3077-5	2
	PBY-4	28P3077-1	
	PBY-4	28P3077	

REQUIREMENTS PER AIRPLANE

PARTS LIST PER ASSY. K

PART NO.	LH REQ.	RH REQ.
-9	1	
-8	1	
-6		1
-3	1	
-2	1	1

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

APPROVED 2-24-39 DATE
.70 CALC. WT. ACT. WT.
SCALE 12" = 1'-0"
AC
NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NONE	Z-P-2 GP

DRAFT	CHECK	EXAM.	ENG.
TAUBER 11-25-38		MILLER	R.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

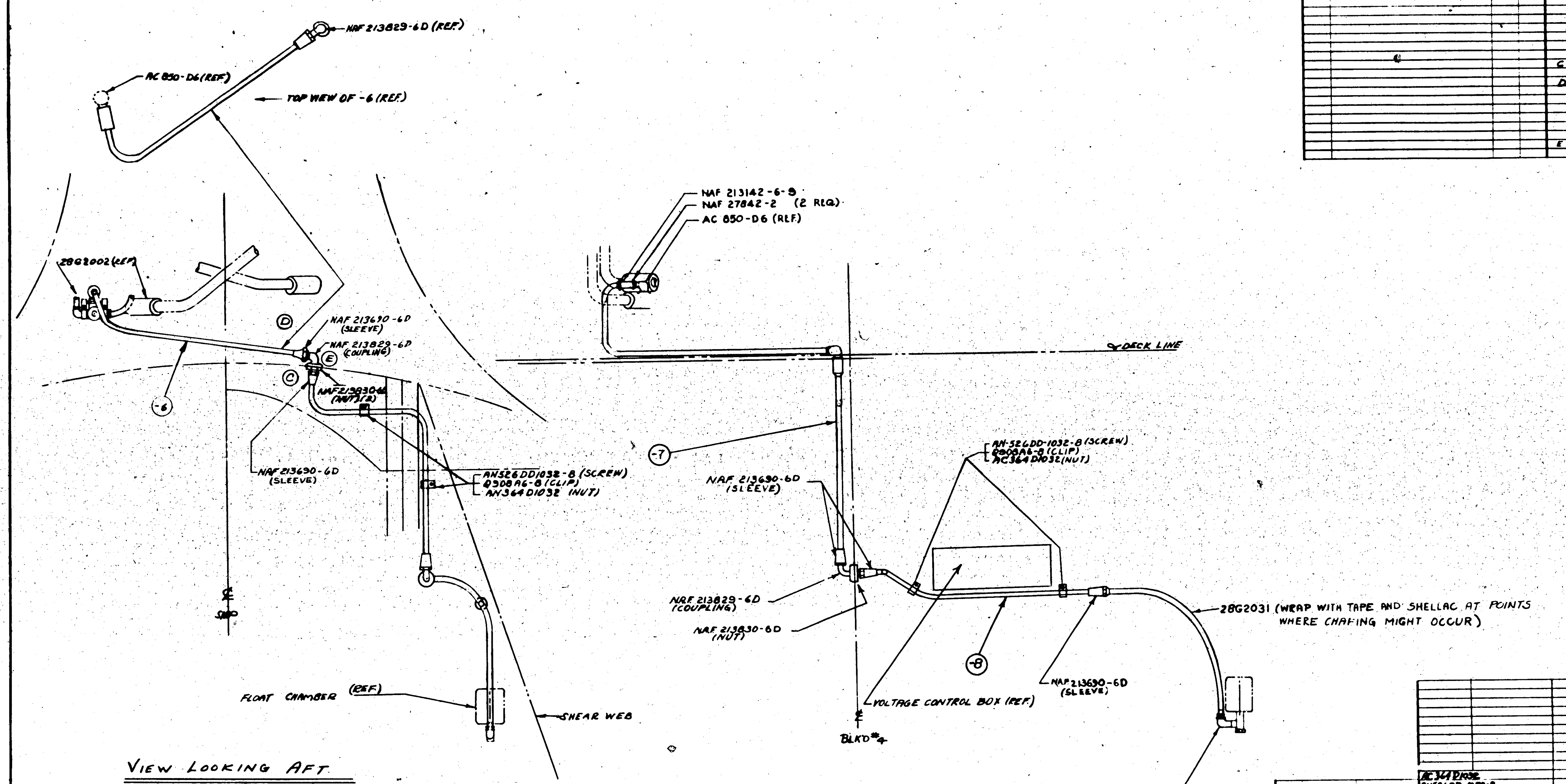
NAME: SCUPPER - P.P. - OIL DRAIN

OPP HAND

DWG. SIZE G 28P3082

LET	ALTERATION	DATE	BY
	#6CD ELBOW & PARKER 6D NUT & NAF213837-6D. WT.CHG. NEG.	7-17-42	

LET	ALTERATION	DATE	BY
A	REROUTED LINE & REVISED FITTINGS.		
B	REROUTED FUEL LINE TO AUX POWER UNIT & ADDED [illegible] REMOVED FITTINGS: PARKER NUT #6BD QTY. 2, PARKER ELL #6CD QTY 2, NAF 213827-6D COUPLING QTY 2. ADDED FITTINGS AS FOLLOWS: NAF 213690-6D SLEEVE QTY 2 NAF 213829-6D COUPLING QTY. 2. (ADDED CLIPS & BOLTS		HILL
C	ADDED NAF 213830-6D (NUT) (1) TO CPLG. WGT. CHG. NEG.		YOUNG
D	REMOVED NAF 213690-6D SLEEVE (1) & NAF 213829-6D CPLG. (1) FROM -6 - ADDED NAF 213837-6D DECK FIT. (1), PARKER NUT (1) & PARKER #6CD ELBOW TO -6 - WGT. CHG. NEG.		YOUNG
E	NAF 213690 - 6D (5) WAS (4) NAF 213 829-6D (2) WAS (1). REMOVED PARKER		



VIEW LOOKING AFT

FINISH NOTE -

-6, -7, -8 .... 2-P-2AL

TOUCH UP FITTINGS TO MATCH ADJOINING SURFACES

CONTRACT #70496

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
	28-5AMN	28G5513	1
	PBY-5A	28G3100	1
	28-5AMC	28G5513	1
	XPBY-5A	28G3000	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC BY

REPLACED BY — ASST WT

SCALE 3" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0
AC364D1032				4
AN526DD-1032-8				4
B308A6-8				4
NAF 213830-6D				3
213829-6D				2
213690-6D				5
213142-6-9				1
NAF 27842-2				2
AC895-1				1
28G2031				1
-8	3/8 OD x .035	AL AL5250	[illegible]	1
-7	3/8 OD x .035	AL AL5250	[illegible]	1
-6	3/8 OD x .035	AL AL 5250	[illegible]	1

PARTS LIST PER ASSY.

NAVY NONE — HEAT TREAT

NOTED — FINISH

DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

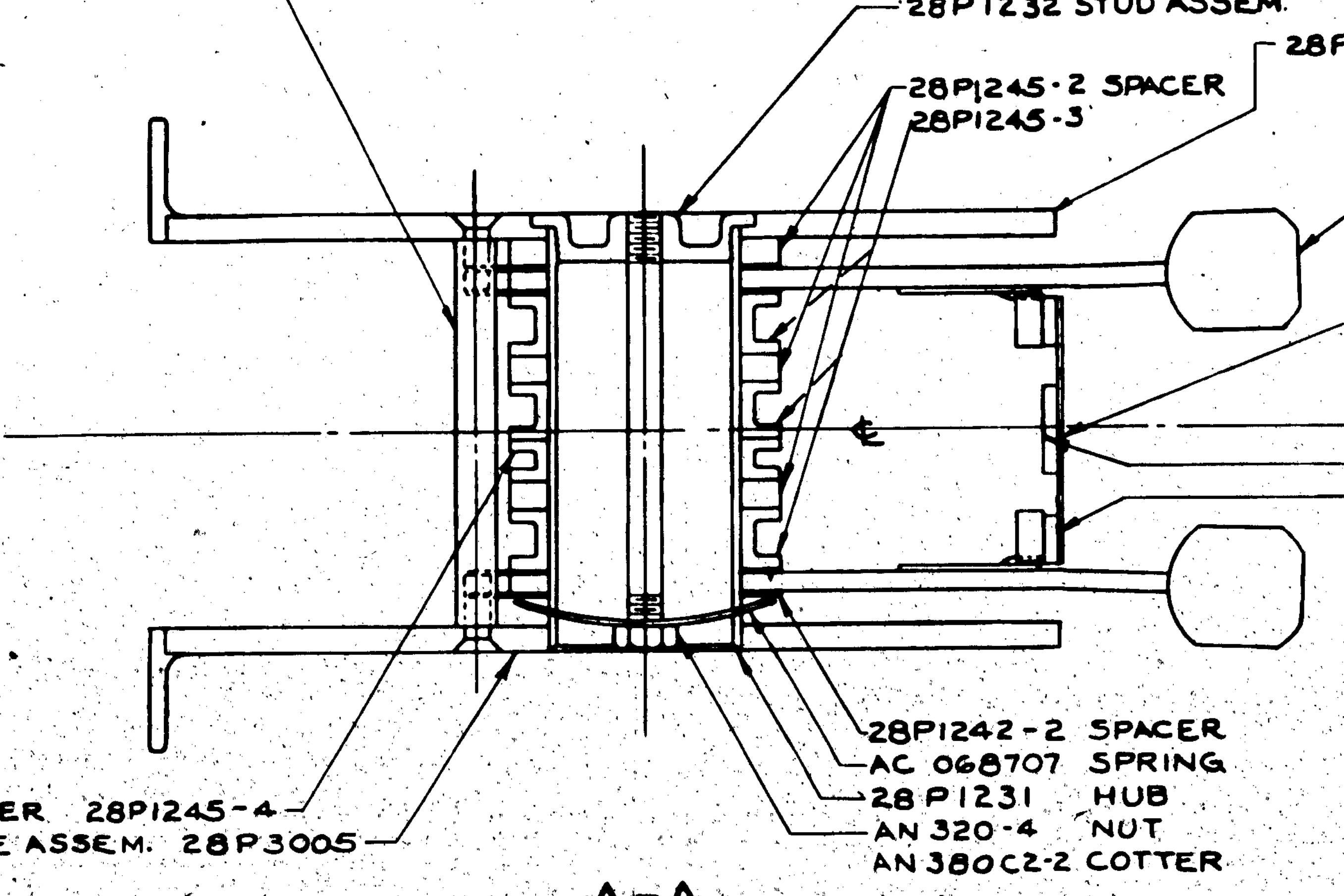
OPP HAND —

NAME FUEL LINE - AUX POWER UNIT

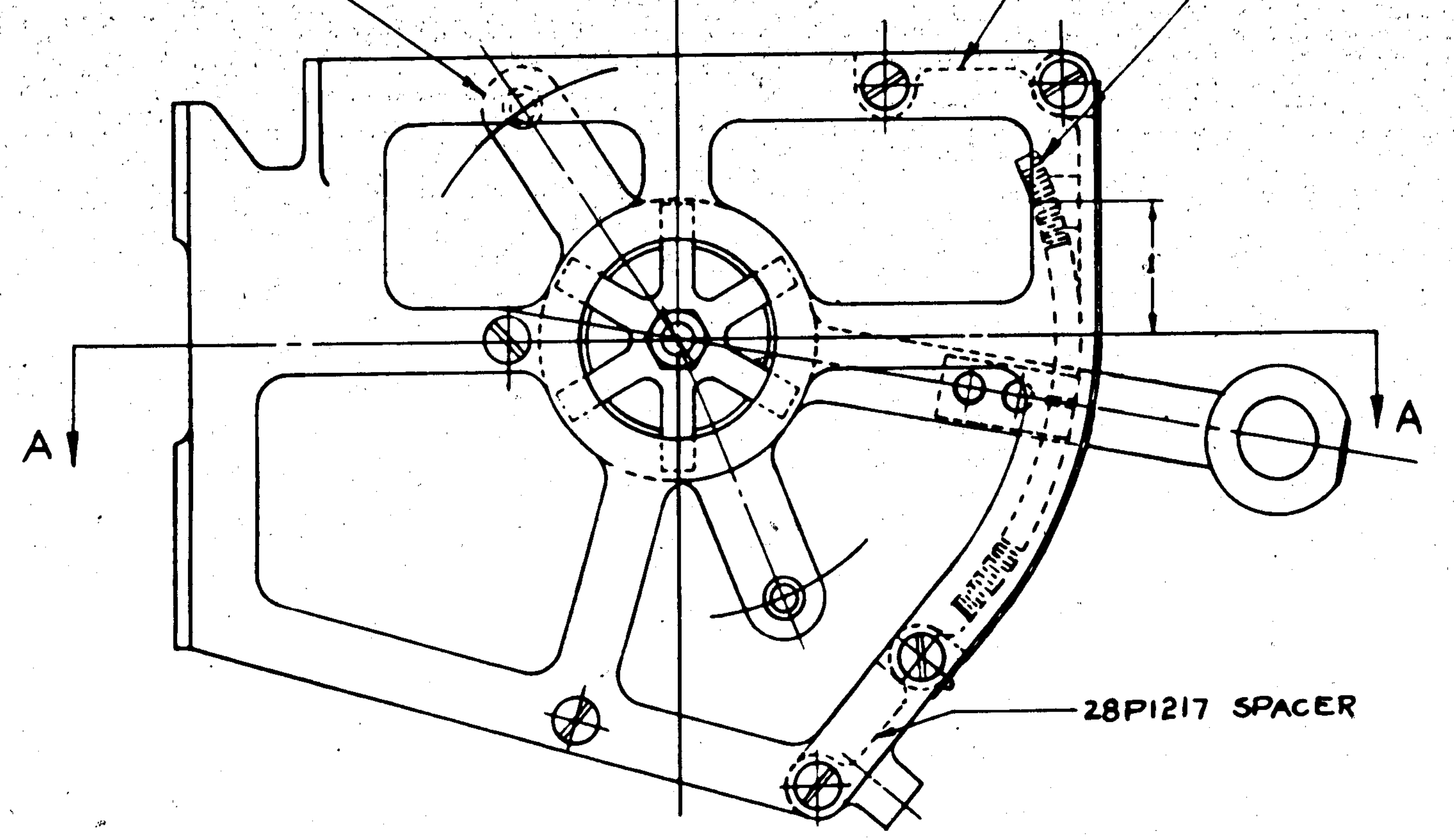
DWG SIZE G — 28P4006

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

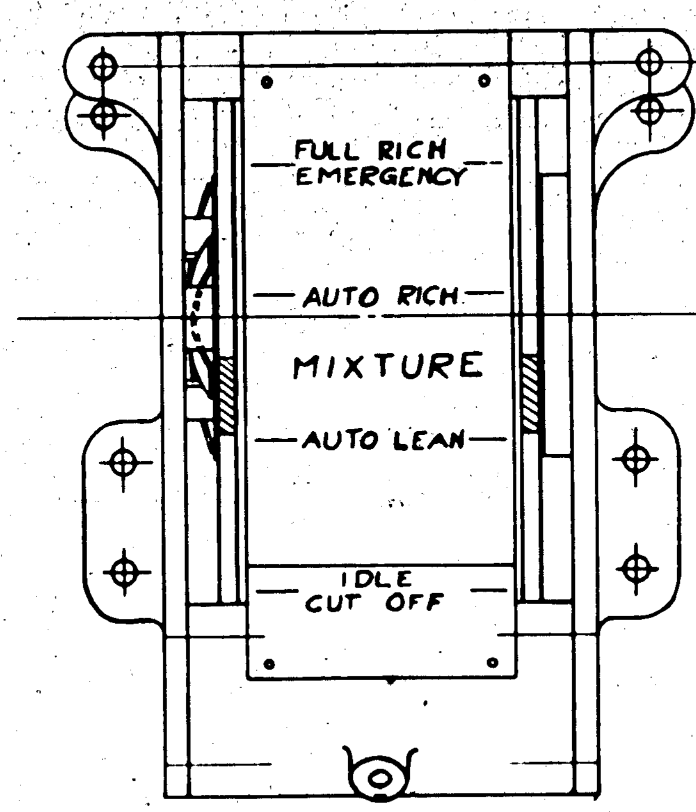
LET	ALTERATION	DATE	BY	
A	ASSIGNED NEW ASS'Y DASH NO. 28P5002-2 FOR	10-29-4[illegible]	ELVEN	EO.37718
	28-5-ME - 28P5002-2 IS SAME AS			
	28P5002 EXCEPT 28P5505 WAS NNP018			
B	ADDED -0 ASS'Y REQ FOR 28-5ME	8-6-41	LAB[illegible]	EO.A 9676
	[illegible] ADDED -3 ASS'Y ADDED			
	28P5518 TO FACE & O/M, REQ/			
	AIRPLANE BROUGHT TO DATE.			
C	AN515-6-6(6) WAS AN510-6-6(4)			
	NEG. WT. CHG.	7/0/42	[illegible]	
D	AN510-6-6(6) WAS AN515-6-6			EO.A 55273
	(6) WT. CHG. NEG.	8-7-42	[illegible]	
E	ADD #28P5179-0 L/R TO START			
	ON SHIP #1714 LIMIT			
	#28P1255-4 & -5 FOR SHIPS			
	#1-1713	7-13-4[illegible]	HIGG[illegible]	



A-A



LEFT SIDE



REAR VIEW

NOTE #1 DRILL & CSK 28P1218 GUIDE SO PAWL ENGAGES RACK TO DEPTH OF TEETH WITH OUT PRESSURE.

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ	-3 REQ	-4 REQ	-5 REQ
28P5179-0R	#1714 & ON			1				
28P5179-0L	#1714 & ON			1				
AN535-00-2				6	6	6		
AN510-6-6				6	6	6		
AN505-10-10				12	12	12		
AN380C2-2				1	1	1		
AN320-4				1	1	1		
AC-068707				1	1	1		
28P5505					1			
NNP018				1				
28P5518						1		
28P3006				1	1	1		
28P3005				1	1	1		
28P1298-1				1	1	1		
28P1298				1	1	1		
28P1255-5	#1-#1713			1	1	1		
28P1255-4	#1-#1713			1	1	1		
28P1245-4				1	1	1		
28P1245-3				3	3	3		
28P1245-2				3	3	3		
28P1242-2				4	4	4		
28P1233				4	4	4		
28P1232				1	1	1		
28P1231				1	1	1		
28P1219				1	1	1		
28P1218				2	2	2		
28P1217				1	1	1		
28P1216				1	1	1		

PARTS LIST PER ASSY.

ASSY DASH NO	MODEL	Next Assy.	REQ	
-3	28-5MN	28P1236	1	
-0	PBY5A	28P1236	1	
-0	28-5MC/EANC	28P1236	1	
-0	28-5MA	28P1236	1	SHIPS #7 & ON
-0	28-5ME	28P1236	1	SHIPS #51 & ON
-2	28-5MA	28P1236	1	SHIPS #1 TO 6
-2	28-5-ME	28P1236	1	SHIPS #1 TO 50
-0	PBY-5	28P1236	1	

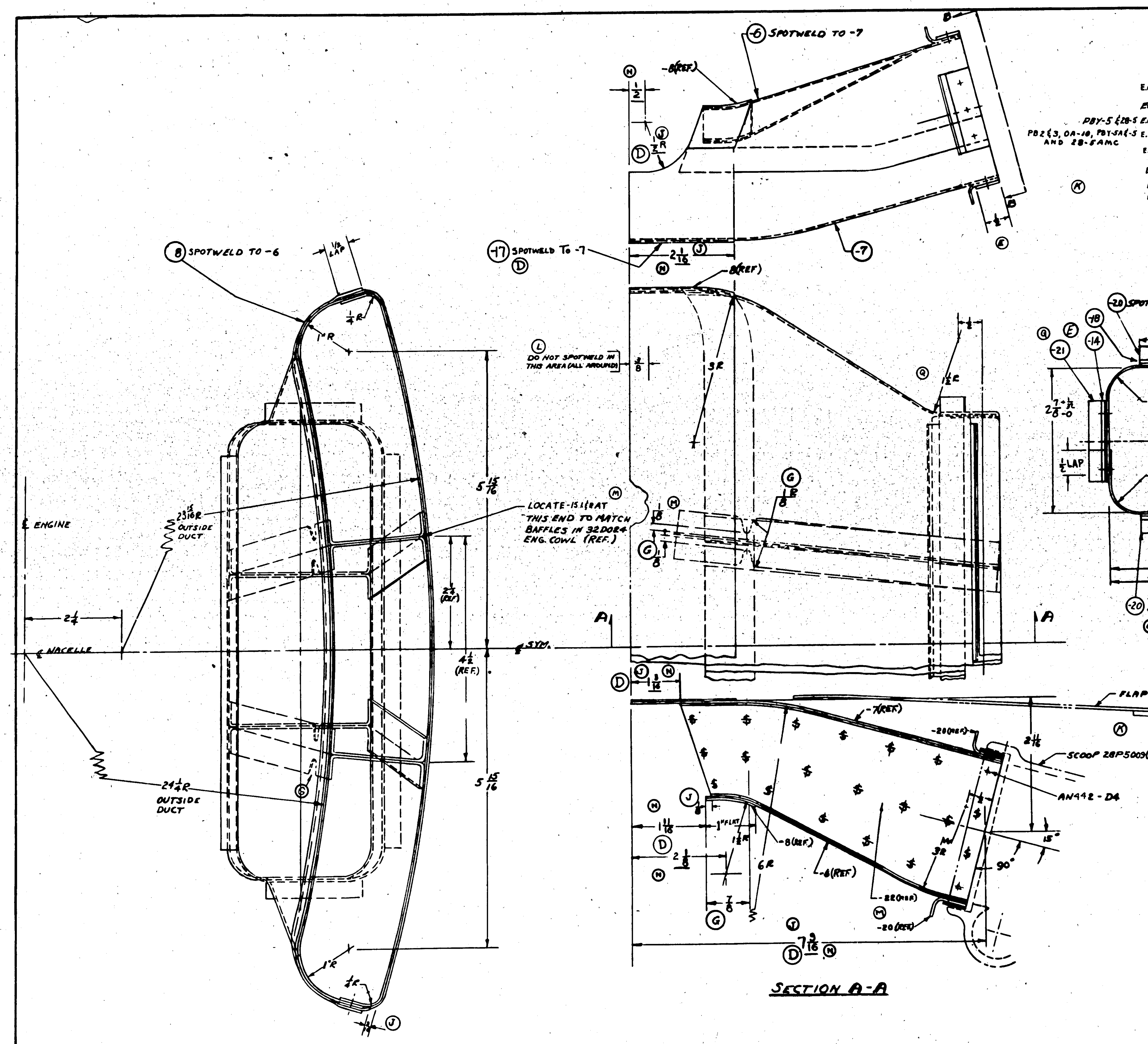
REQUIREMENTS PER AIRPLANE

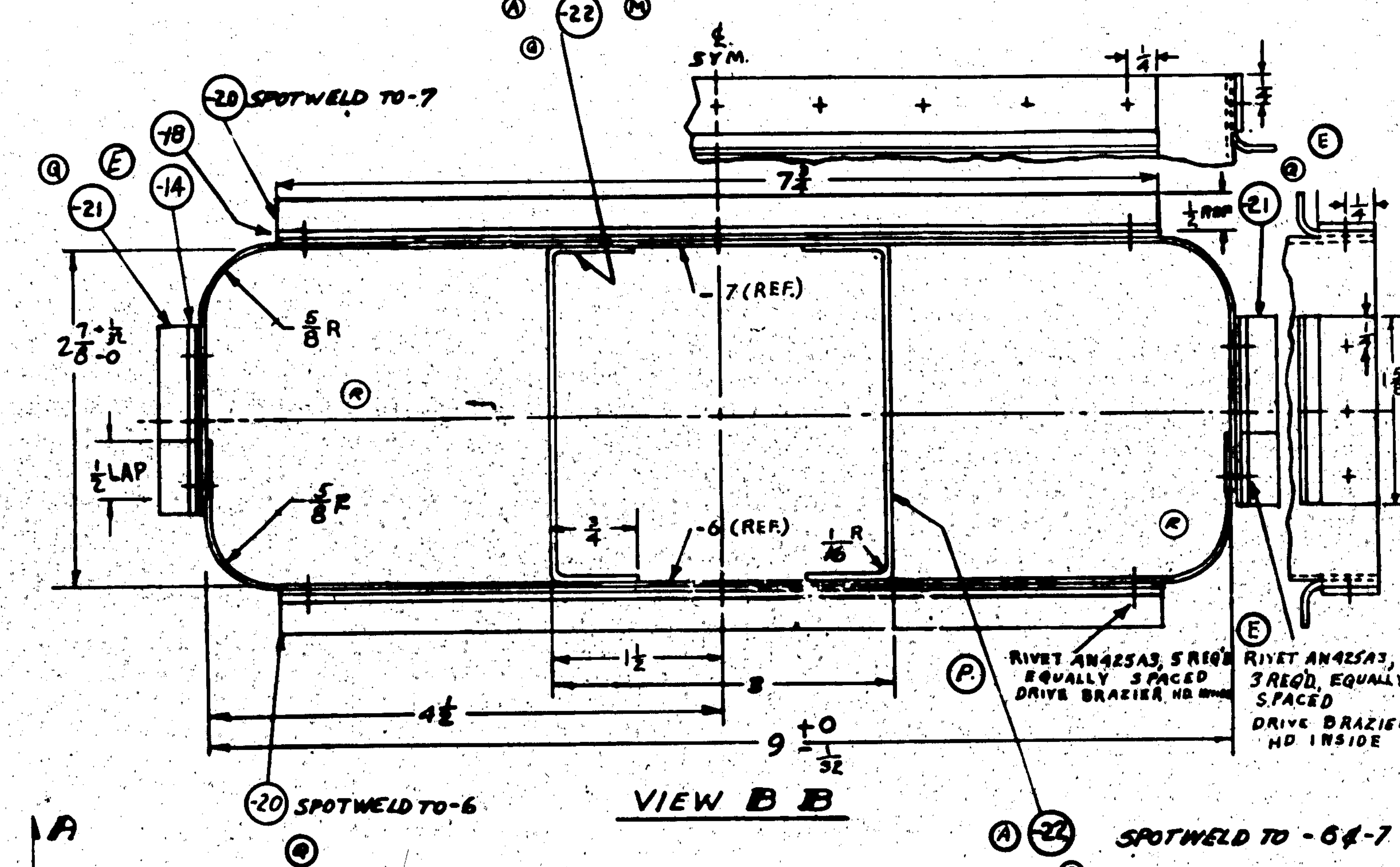
REPLACES — CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
11-3-39
DRAFT / CHECK / STRUCT / MAT / APPROV / ENG
OPP HAND

NAME: CONTROL ASSEM. MECHANICS MIXTURE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DWG SIZE G — DWG NO 28P5002

28P5002





LET	ALTERATION	DATE	BY
A	REMOVED -12 L&R, -13 L&R & -14 L&R. ADDED -15 L&R & -16 L&R	3/12/40	DUNN
B	-8 WAS Y2A4T	7-11-40	
C	ADDED NOTED DIMENSION FOR -9 & -10	7-11-40	
D	MADE -8 FLAT STRIP & ADDED -17. REVISED FRONT CORNERS 7 3/16 WAS 6 5/16, 1 3/16 WAS 1 1/16. 1 1/2 WAS 1 1/4, 7/8 WAS 5/8	7-11-40	
E	REMOVED -11, ADDED -18 -19	11-4-40	DON
M			
F	24ST (COND. T) WAS ALCLAD 2450 (47A8 COND. A)	2-13-41	
G	ADDED RELIEF SLOTS -15 L/R & -16 L/R ON THE FACE OF DWG.	4-16-41	H. LUND
H	2450 WAS 24ST IN B/M -8 - COND. A WAS COND. T	4-16-41	H. LUND
J	CHG. DIMS. 1/2 R WAS 1R 1 1/4 WAS 2 1/4 7 1/4 WAS 7 3/16, ADDED DIMS. 1/2 & 1/16	6-21-41	OWENS
K	ON FACE REMOVE ALL REF. TO -11 & NOTE "CEMENT TO -9 & -10"	9-5-41	BRANKS
L	ADDED NOTE "DO --- AROUND" NO WT. CHG.	3-23-42	
M	REPLACED -16 L/R BY -15 L/R. IN B/M		
	15 L/R (2 EA.) WAS 15 L/R (1 EA.) NEG. WT. CHG.	6-24-42	MOSS
N	1 11/16 WAS 1, 2 1/16 WAS 1 1/16, 1 11/16 WAS 1 1/2, 2 1/8 WAS 1 11/16, 7 9/16 WAS 7 1/2, 1/2 WAS 5/16 NEG. WT. CHG.	6-24-42	MOSS
P	CHANGE NUMBER OF AN425A3 RIVETS FROM 8 TO 5 IN VIEW B-B WT. CHG. NEG.	5-13-43	SCHLUETER
Q	ON FACE & IN B/M -20 & -21 REPLACED -9 & -10. -22 REPLACED -15 L/R (WT. CHG. NEG.)	6-1-43	
R	REMOVED NOTE "JOGGLE -7 FOR SMOOTH RADIUS" & REMOVED JOGGLES FROM VIEW B-B.		

E.O. 247441 · E.O. 37773 · E.O. 38299 · E.O. A450 · E.O. 7294 · EDC #M874 · E.O. A22429 · E.O. A40365

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
	PBY-5B	28P5008	2
	PBY-5A	28P5008	2
-0	28-5AMN	28P5008	2
	28-5AMC	28P5008	2
	28-5MN	28P5008	2
	28-5MC	28P5008	2
	28-5MA	28P5008	2
	28-5ME	28P5008	2
	PBY-5	28P5008	2

REQUIREMENTS FOR AIRPLANE

PART NO	STOCK	MATERIAL	SPEC.	-0 REQ
AN425-A3				
AN442-D4				
-19	1/2 x 1/16 x MICARTA SHEET LAMINATED		17P5 PBG 5	2
-18	1/2 x 1/16 x MICARTA SHEET LAMINATED		17P5 PBG 5	2
-17	.040 x 2 1/4 x 16 1/4	ALCLAD 2450	47A8 COND. A	1
-22	.072 x 4 1/2 x 7 1/2	ALCLAD 2457	QQ-A-362-II	2
-21	Y6A7T x 1 5/8			2
-20	Y6A7T x 7 3/4			2
-8	.032 x 1 11/16 x 16 1/2	2450	47A8 COND. A	1
-7	.040 x 8 x 17	ALCLAD 2450	47A8 COND. A	1
28P5007-6	.040 x 8 x 16	ALCLAD 2450	47A8 COND. A	1

PARTS LIST PER ASSY. — REQ: -0, -2, -3, -4, -5

REPLACES — CALC. WT. · REPLACED BY — ACT. WT.

Limit on dimensions unless otherwise specified: ± 1/32 · SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C · NAVY S 53 (HEAT TREAT) · Z-P-AP (FINISH) · DRAFT 12/22/39 · CHECK 12-22-39 · STRUCT · MAT · APPD · ENG

NAME DUCT ASSEMBLY CARB INTAKE-REAR

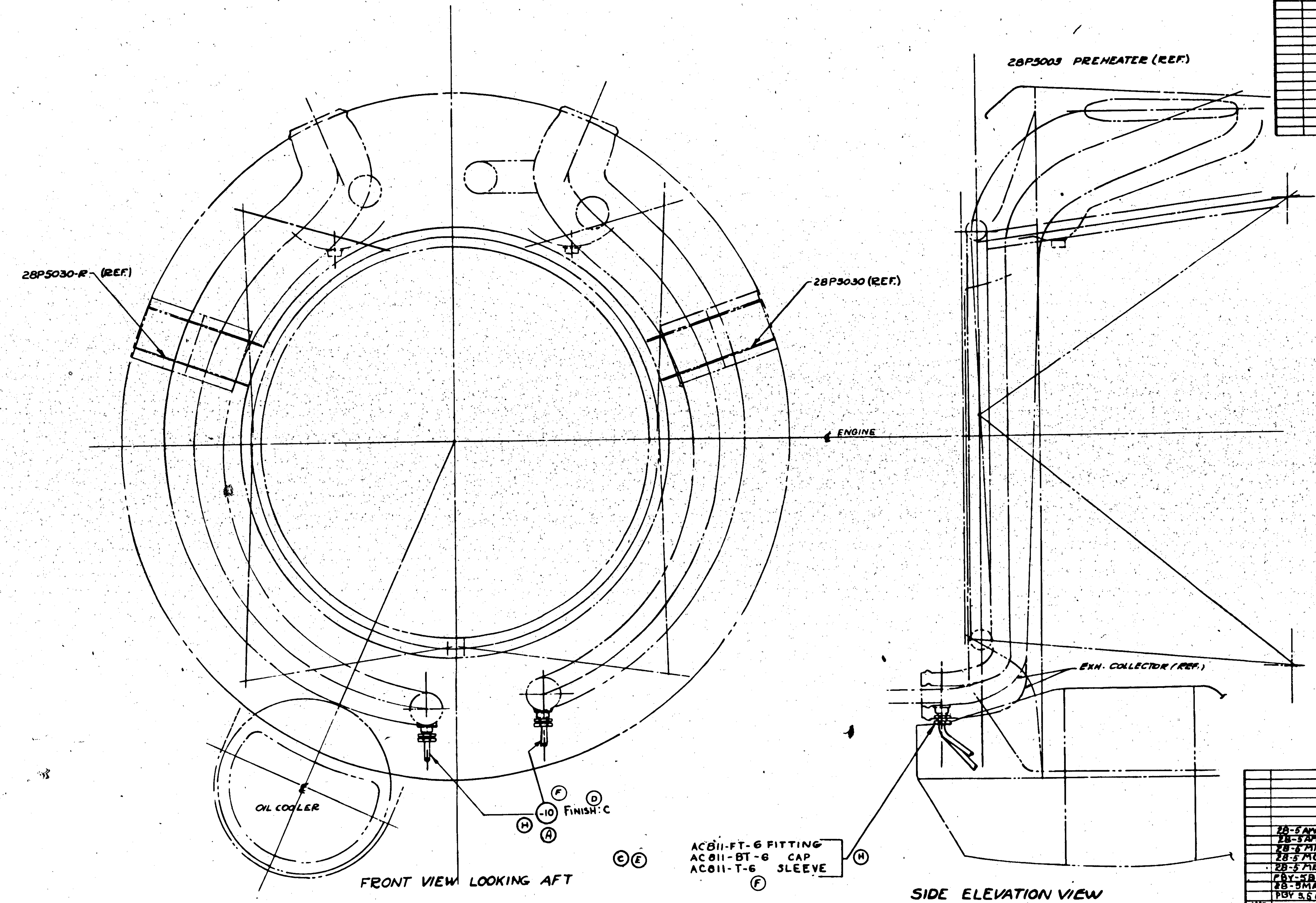
CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

OPP HAND · DWG SIZE G · 28P5007

R 28P5007

LET	ALTERATION	DATE	BY
H	ON FACE & B/M. -10 WAS -9, AC811-FT-6 (FITTING)(2) WAS AC811-CT45-6 (ELBOW)(2). WT. CHG. NEG.	10-19-42	[illegible]

LET	ALTERATION	DATE	BY
A	REMOVED Q7007-AL9-1042, AN820-10-10, AC865-1032, AN881-6-10, 28P3009-4, 28P5029-6, 28P5029-7. ADDED -8, (#6C45 PARKER ELL) 2 REQ'D. WAS 4, (#6B PARKER NUT) 2 REQ'D. WAS 4, AS PER E.O. 24206.	[illegible]	[illegible]
B	REMOVED 28P3009-4 FROM B/M & DWG.	4-16-41	MILLER
C	ADDED PARKER NUT & ELL (2 EA) TO FACE OF DWG & B/M	12-2-41	KAREL
D	CHANGED FINISH ON -8 FROM "C-P-ZAP TO C" NO WT. CHG.	3-25-42	WEINSHE
E	AN823-6 (AN820-6 WAS PARKER 6C45 & 6B. WT. CHG. NEG.	8-11-42	KRIEGER
F	AC811-CT45-6 (4/SHIP) WAS AN823-6, & AC811-BT-6 (4/SHIP) WAS AN820-6. ADDED AC811-T-6 (4/SHIP.) -9 WAS -8 WT. CHG. NEG.	9-2-42	CHANDLER
G	ADDED NOTE "ALTERNATE --- COND. N" WT. CHG. NEG.	10-8-42	MORENO



ELECTRICAL BONDING TO BE INSTALLED IN ACCORDANCE WITH SPEC. 28E4027-SR-16E

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

(G) — * NOTE —
ALTERNATE MATERIALS FOR -10 "CHROME-MOLY WELDED TUBING, AN-T-3, TYPE I, COND. N" & "CHROME-MOLY SEAMLESS TUBING, AN-WW-T-850, COND. N"

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	28-5AMC	28P5100	2
	28-5AMN	28P5100	2
	28-6MN	28P5100	2
	28-5MC	28P5100	2
	28-5ME	28P5100	2
	PBY-5B	28P5100	2
	28-5MA	28P5100	2
	PBY 5,5A	28P5100	2

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC	-0 REQ
AC811-FT-6				2
AC811-BT-6				2
AC811-T-6				2
*28P5029-10	3/8 OD x .035 x 4	CM STL TUBE	44T18	2

PARTS LIST PER ASSY.

REPLACES — CALC WT
REPLACED BY — ACT WT
SCALE 3" = 1'0"
STAMP PART NUMBER WHERE SHOWN

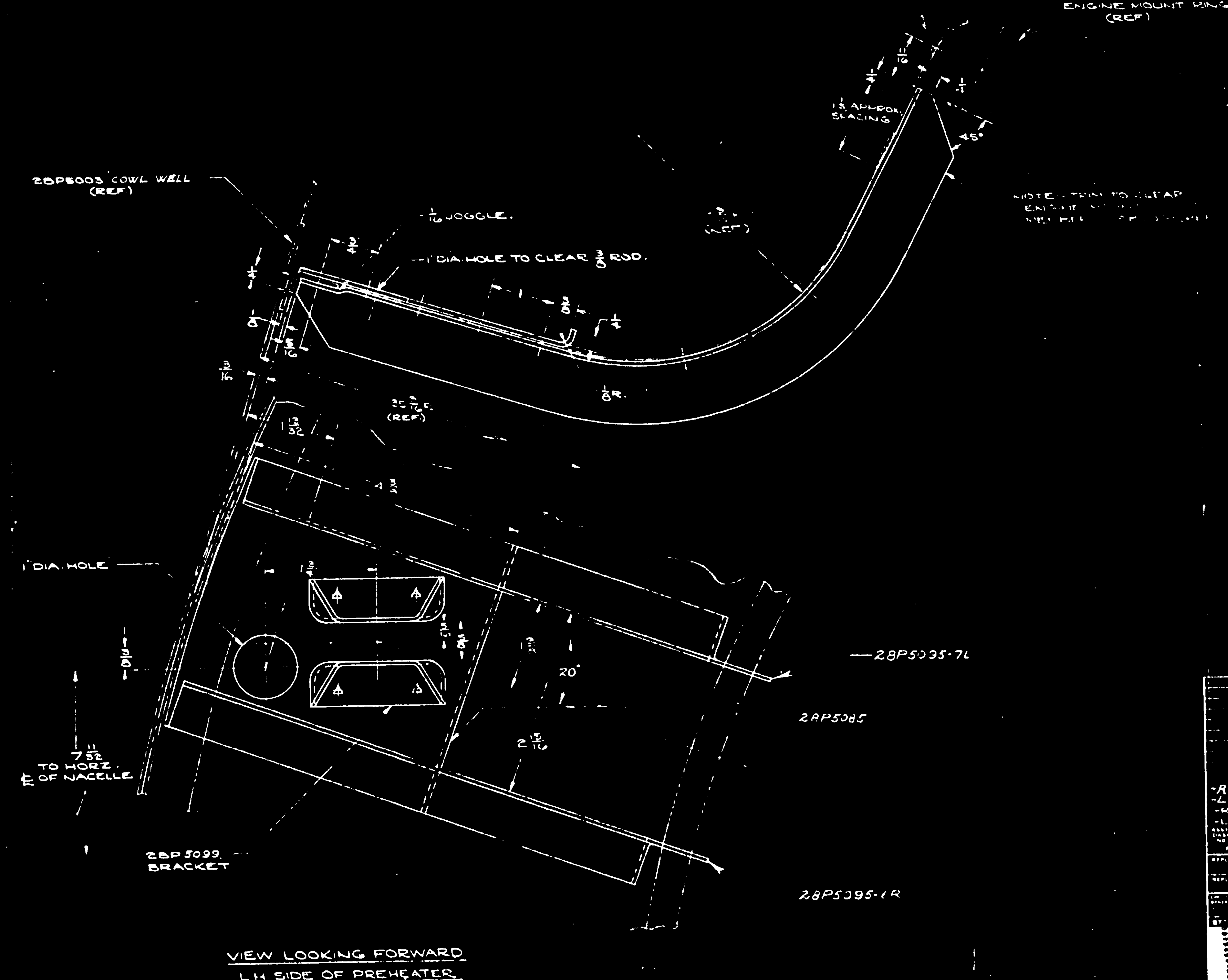
A C		APPR DATE					
NAVY NONE	NOTED	2-12-40					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME INSTALLATION EXHAUST COLLECTOR DRAIN
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
SIZE G — DWG 28P5029

R 28P5029

E.O 22775-B

LET	ALTERATION	DATE	BY
A	NOTE ADDED.	11/5/40	
B	REMOVED "A" CHANGE CHANGED 28P5030-6L,-6R TO 28P5095-6L&R & -7L&R CHANGED 28P5030-7 TO 28P5085. CHANGED 28P3044 TO 28P5099 - REMOVED ALL RIVETS & ADDED NOTE RE "FABRICATE ... B.C.C."	2-11-41	
C	CANCELED & REPLACED BY SOLAR #6-355 (MCR#213)	5-6-43	
D	REINSTATED. WAS CANCELED & REPLACED BY SOLAR #6-355 (MCR#213A)		



FABRICATE ASSY BY SPOT WELDING

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-R	PBY-5A&B	28P5003	2EA
-L	PBY-5A&B	28P5003	2EA
-R	PBY-5	28P5003	2
-L	PBY-5	28P5003	2

REQUIREMENTS PER AIRPLANE

REPLACED BY SOLAR #6-355

PART NO	STOCK	MATERIAL	SPEC
28P5085			
28P5099			
28P5095-7R			
-7L			
-6R			
28P5095-6L			

ENG. FILE

NAME BRACKET INSTALL ~ COWL FLAP CONTROL ~ COWL WELL

OPP HAND 28P5030-R

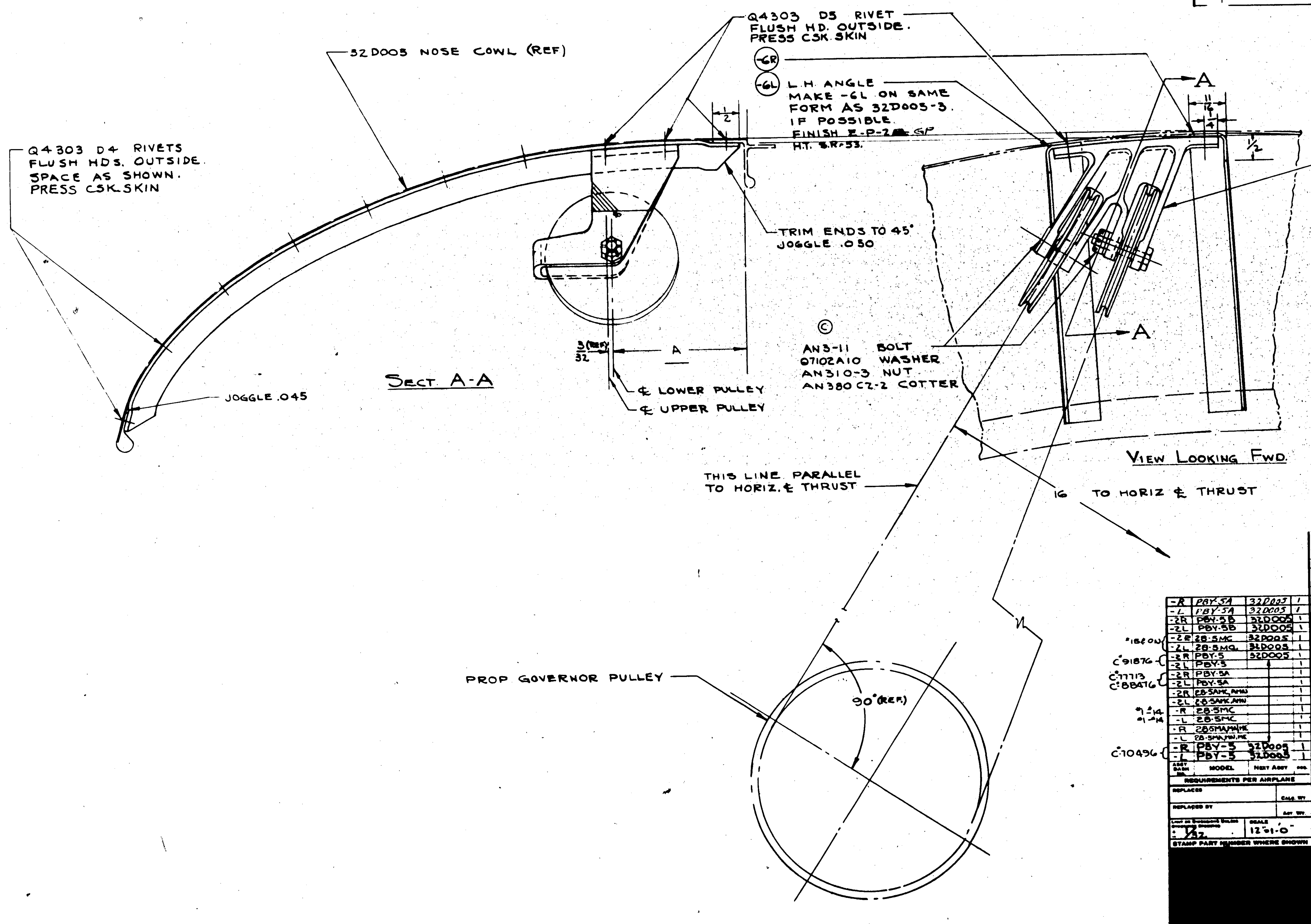
G 28P5030

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

28P5030

EO 23043
EOA 15849
ROHR EO 682

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	3½ DIM. WAS 2⅞, 16 WAS 16 ½	[illegible]	[illegible]				
B	CREATED -2 ASSY. NO WT. CHG	3-26-42	[illegible]				
C	AN3-11 WAS AN3-10, AN310-3						
	WAS AN320-3 WT. CHG. NEG.	5-6-42	[illegible]				



A	ASSY
3⅛	-0
2	-2

B

GP GREEN PRIME

FINISH	
Z	ANODIC TREAT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-R	PBY-5A	32D005	1
-L	PBY-5A	32D005	1
-2R	PBY-5B	32D005	1
-2L	PBY-5B	32D005	1
-2R	28-5MC	32D005	1
-2L	28-5MC	32D005	1
-2R	PBY-5	32D005	1
-2L	PBY-5		1
-2R	PBY-5A		1
-2L	PBY-5A		1
-2R	28-5AMC, AMN		1
-2L	28-5AMC, AMN		1
-R	28-5MC		1
-L	28-5MC		1
-R	28-5MA, MN, ME		1
-L	28-5MA, MN, ME		1
-R	PBY-5	32D005	1
-L	PBY-5	32D005	1

REQUIREMENTS PER AIRPLANE

Side notes: *158 ON (-2R/-2L 28-5MC); C°91876 (-2R/-2L PBY-5); C°77713, C°88476 (-2R/-2L PBY-5A); *7-*14, *1-*14 (-R/-L 28-5MC); C°10496 (-R/-L PBY-5)

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
Q4303 D5													
Q4303 D4				2	2	2	2						
AN210-2A				2	2	2	2						
AN380C2-2				2	2	2	2						
AN310-3				4	4	4	4						
Q7102A10				2	2	2	2						
AN3-11													
28P5034R					1		1						
28P5034				1		1							
28P5033-6R	.064x1 5/16x14 SHT.	ALC 24ST	47A8 COND A	1	1	1	1						
28P5033-6L	.064x1 5/16x14 SHT.	ALC. 24ST	47A8 COND A	1	1	1	1						

PARTS LIST PER ASSY.

REPLACES	CALC. WT
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C		SUGG.	MACDONALD				
NAVY NOTED	NOTED	12-18-39	2-27-39				
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME BRACKET INST. PROP. CONT. ENG. COWL PULLEY.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

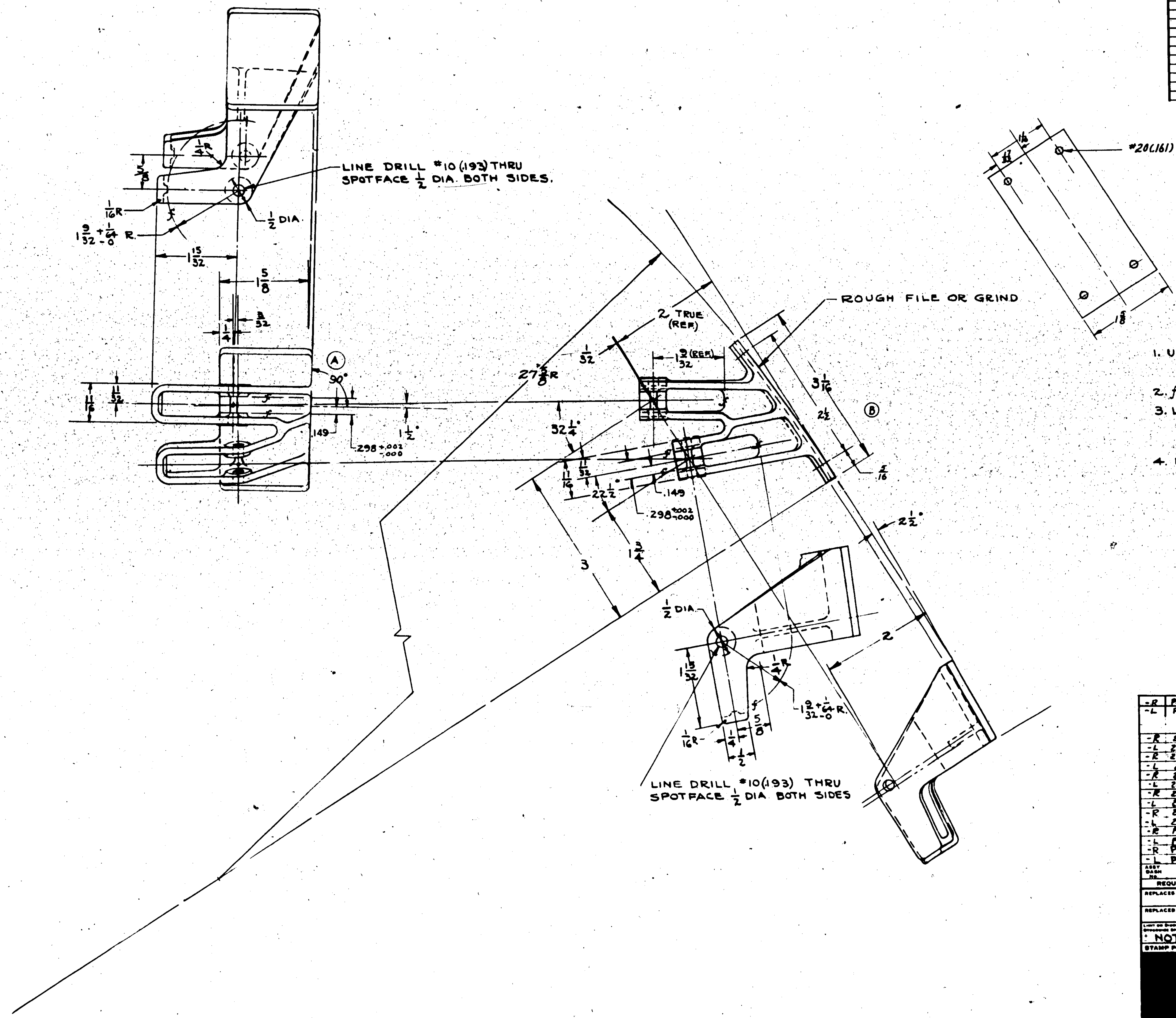
OPP. HAND 28P5033-R

DWG. SIZE G 28P5033

R

PBY-5-28-5 E.O. A980
ROHR EA # 656

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	REMOVED ECCENTRICITY FROM BASE ADDED 90°						
B	ADDED #20(.161) HOLES(4) ADDED DIMS 2½, 5/16, 1 1/16 & 11/32 (WT. CHG. NEG.)	1-12-42					



1. UNLESS OTHERWISE SPECIFIED ALL WEBS ARE 1/8, ALL FILLETS & RADII ARE 1/8 R.
2. f INDICATES SMOOTH MACHINE FINISH.
3. LIMITS ON DIMENSIONS
   ANGULAR ± ½°
   FRACTIONAL ± 1/32
   DECIMAL ±.010
4. MATERIAL – ALUM. ALLOY CASTING
   SPEC. 46A1-CL.4 (NAVY)
   SPEC. 57-72-5 (ARMY)

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
-R	PBY-5B	28P5033	1
-L	PBY-5B	28P5033	1
-R	28-5MA	28P5033	1
-L	28-5MA	28P5033	1
-R	28-5ME	28P5033	1
-L	28-5ME	28P5033	1
-R	28-5MC	28P5033	1
-L	28-5MC	28P5033	1
-R	28-5MN	28P5033	1
-L	28-5MN	28P5033	1
-R	28-5AMC	28P5033	1
-L	28-5AMC	28P5033	1
-R	PBY-5A	28P5033	1
-L	PBY-5A	28P5033	1
-R	PBY-5	28P5033	1
-L	PBY-5	28P5033	1

REQUIREMENTS PER AIRPLANE

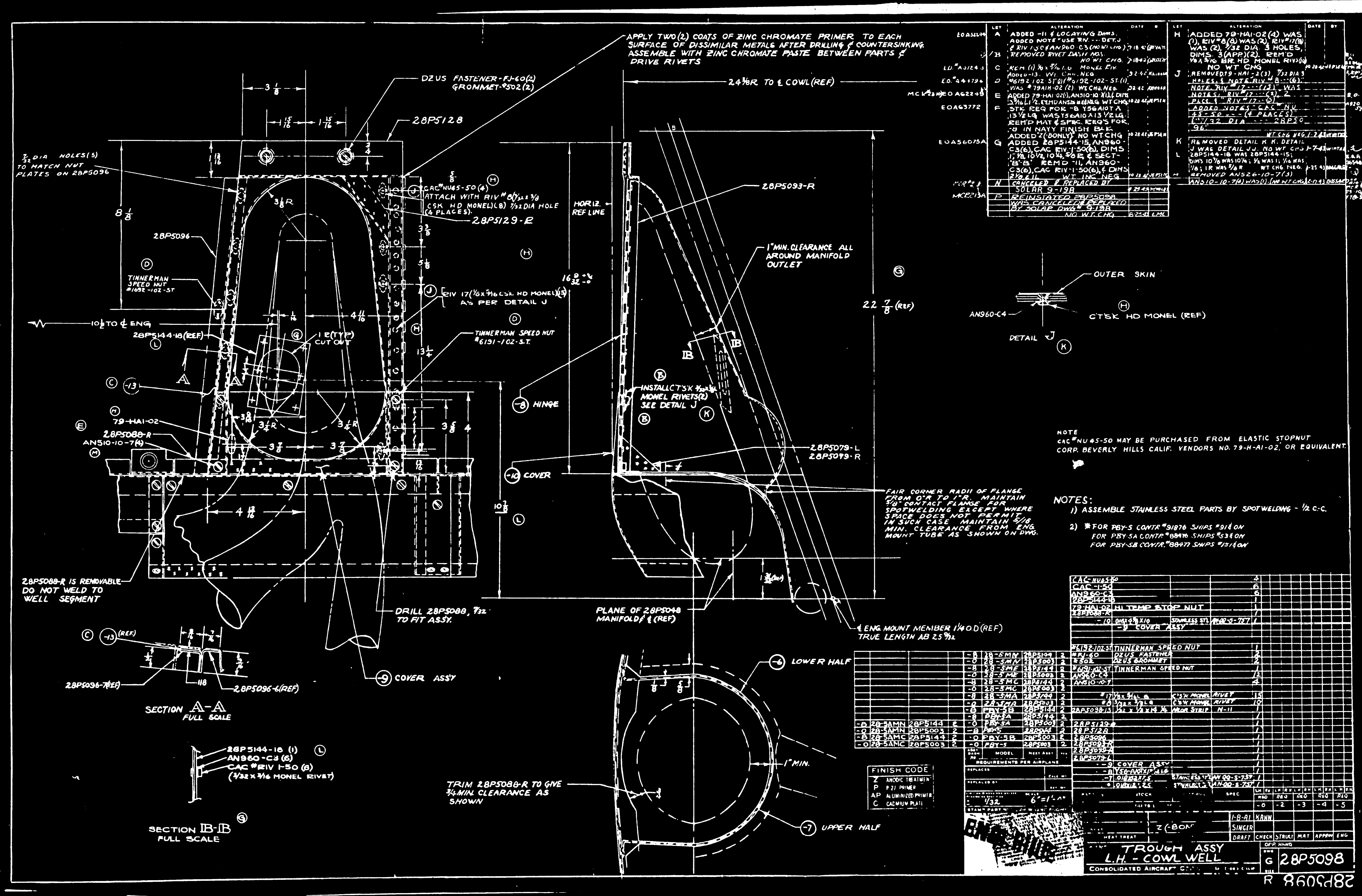
REPLACES — CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± NOTED
SCALE: 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	LH RH REQ -0	LH RH REQ -2	LH RH REQ -3	LH RH REQ -4	LH RH REQ -5
		NOTED	NOTED					

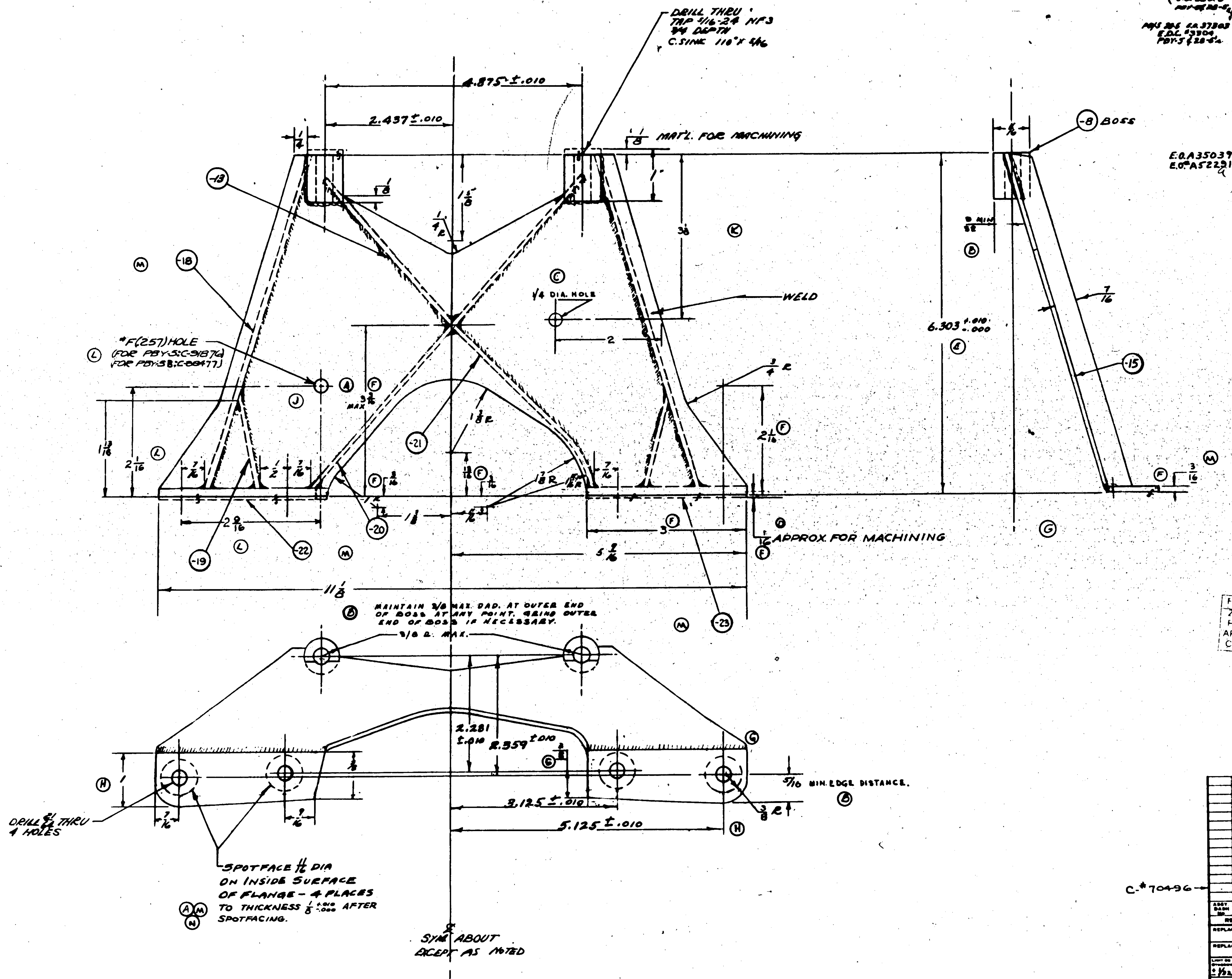
PARTS LIST PER ASSY.

A.C. T.S. 29,000 %/□		SUGGS
NAVY NAF-SA8	Z-P	12-16-39
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

NAME: BRACKET-ENG. RING COWL PROP. CONTROL PULLEY
OPP HAND 28P5034-R
DWG. SIZE G — 28P5034
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF



APPLY TWO (2) COATS OF ZINC CHROMATE PRIMER TO EACH SURFACE OF DISSIMILAR METALS AFTER DRILLING & COUNTERSINKING. ASSEMBLE WITH ZINC CHROMATE PASTE BETWEEN PARTS & DRIVE RIVETS
DZUS FASTENER - FJ-60(2) GROMMET-#502(2)
28P5128
24½R TO ℄ COWL (REF)
7/32 DIA HOLES (5) TO MATCH NUT PLATES ON 28P5096
CAC #NU45-50 (4) ATTACH WITH RIV #8(1/32 x 3/8 CSK HD MONEL)(8) 7/32 DIA HOLE (4 PLACES)
28P5129-R
28P5093-R
28P5096
TINNERMAN SPEED NUT #1032-102-ST
RIV 17 (1/8 x 5/16 CSK HD MONEL)(3) AS PER DETAIL J
10½ TO ℄ ENG
28P5144-18 (REF)
1 R (TYP) CUT OUT
TINNERMAN SPEED NUT #6191-102-S.T.
79-HA1-02
28P5088-R
AN510-10-7(4)
HORIZ. REF LINE
1" MIN. CLEARANCE ALL AROUND MANIFOLD OUTLET
22 7/8 (REF)
-8 HINGE
INSTALL CTSK 1/8 x 5/16 MONEL RIVETS (2) SEE DETAIL J
-10 COVER
28P5079-L
28P5079-R
FAIR CORNER RADII OF FLANGE FROM 0"R TO 1"R. MAINTAIN 5/8 CONTACT FLANGE FOR SPOTWELDING EXCEPT WHERE SPACE DOES NOT PERMIT. IN SUCH CASE MAINTAIN 5/16 MIN. CLEARANCE FROM ENG. MOUNT TUBE AS SHOWN ON DWG.
28P5088-R IS REMOVABLE - DO NOT WELD TO WELL SEGMENT
DRILL 28P5088, 7/32 TO FIT ASSY.
PLANE OF 28P5048 MANIFOLD ℄ (REF)
℄ ENG. MOUNT MEMBER 1¼ O.D. (REF) TRUE LENGTH AB 25 9/32
-9 COVER ASSY
SECTION A-A FULL SCALE
28P5096-7(REF)
28P5096-6(REF)
28P5144-18 (1)
AN960-C3 (6)
CAC #RIV 1-50 (6) (3/32 x 3/16 MONEL RIVET)
SECTION B-B FULL SCALE
TRIM 28P5088-R TO GIVE 1/4 MIN CLEARANCE AS SHOWN
-6 LOWER HALF
-7 UPPER HALF
1" MIN.
OUTER SKIN
AN960-C4
CTSK HD MONEL (REF)
DETAIL J
NOTE
CAC #NU45-50 MAY BE PURCHASED FROM ELASTIC STOPNUT CORP. BEVERLY HILLS CALIF. VENDORS NO. 79-H-A1-02, OR EQUIVALENT.
NOTES:
1) ASSEMBLE STAINLESS STEEL PARTS BY SPOTWELDING - 1/2 C-C.
2) * FOR PBY-5 CONTR #91876 SHIPS #914 ON
FOR PBY-5A CONTR #88476 SHIPS #534 ON
FOR PBY-5B CONTR #88477 SHIPS #1514 ON
FINISH CODE
Z ANODIC TREATMENT
P P.21 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
HI TEMP STOP NUT
TINNERMAN SPEED NUT
DZUS FASTENER
DZUS GROMMET
COVER ASSY
TROUGH ASSY L.H. - COWL WELL
CONSOLIDATED AIRCRAFT CORP.
G 28P5098



E.O.	LET	ALTERATION	DATE	BY
28-5ME PBY-5 E.O. 26882	A	ADDED DIM. & NOTE		
E.O. 30067	B	ADDED DIMS & NOTE.		
E.O. 28813	C	ADDED 1/4 DIA. HOLE		
	D	CORRECTED MACHINING NOTE 7/8 WAS		
E.D.C. #3304 PBY-5 & 28-5A	E	DIM 6.303 WAS 6.313		
	F	CHANGED -9 QTY 2 TO -16 QTY 1 & -17 QTY 1; CHANGED -7 TO -15; 2 1/16 WAS 2; 1 13/16 WAS 1 3/4; 3 WAS 2 ...; 3 5/16 WAS 3 1/4; ... WAS 1/4; 1 3/4 WAS 3/4 (INCORPORATED E.D.C. #3304)		
	G	CHG. -16 & -17 FROM 1/32 TO 3/16 STOCK IN 9/16 IN BOTTOM VIEW ADDED 1/8 DIM. & CORRECTED PICTURE OF FLG REMOVED 1 5/32 DIM. IN SIDE VIEW BROUGHT REQ'MTS UP TO DATE MADE -16 & -17 1/8 AFTER MACHINING		KAPEL
E.O. A35039	H	ADDED DIM 1 3/8 ... WAS ...		
E.O. A52291	J	ADDED *F HOLE (257) & LOC. DIMS WT. CHG. NEG.	8-7-42	CHAMBERLAIN

LET	ALTERATION	DATE	BY
K	REMD -5 WELD ASS'Y. ...		
L	PBY-5B WAS PBY-5A IN NOTE *F(257) HOLE --- C.88477) 2 1/16 WAS 1 1/4, 2 9/16 WAS 1 3/4 NO WT. CHG.	1-1-43	
M	-23 WAS -17; -22 WAS -16; -21 WAS -14; -20 WAS -10; -19 WAS -12; -18 WAS -11; "MIN. THICKNESS 1/8 AFTER SPOTFACING" WAS "MAX. THICKNESS 1/8 AFTER SPOTFACING." 11/16 WAS 3/4 DIM. NEG. WT. CHG.	4-8-43	
N	NOTE: "SPOTFACE... TO THICKNESS 1/8 +.010 -.000 AFTER SPOTFACING" WAS "SPOTFACE... MIN. THICKNESS 1/8 AFTER SPOTFACING." NO WT. CHG.	4-8-43	

FINISH CODE

Z	ANODIC TREATMENT
P	ZINC PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

C-#70496

ASSY. DASH No.	MODEL	NEXT ASSY	REQ
	PBY-5B	28P5026	2
	28-5AMN	28P5026	2
	28-5MA	28P5026	2
	28-5MN	28P5026	2
	28-5AMC	28P5026	2
	28-5MC	28P5026	2
	28-5ME	28P5026	2
	PBY-5A	28P5026	2
	PBY-5	28P5026	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 & NOTED — SCALE: 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

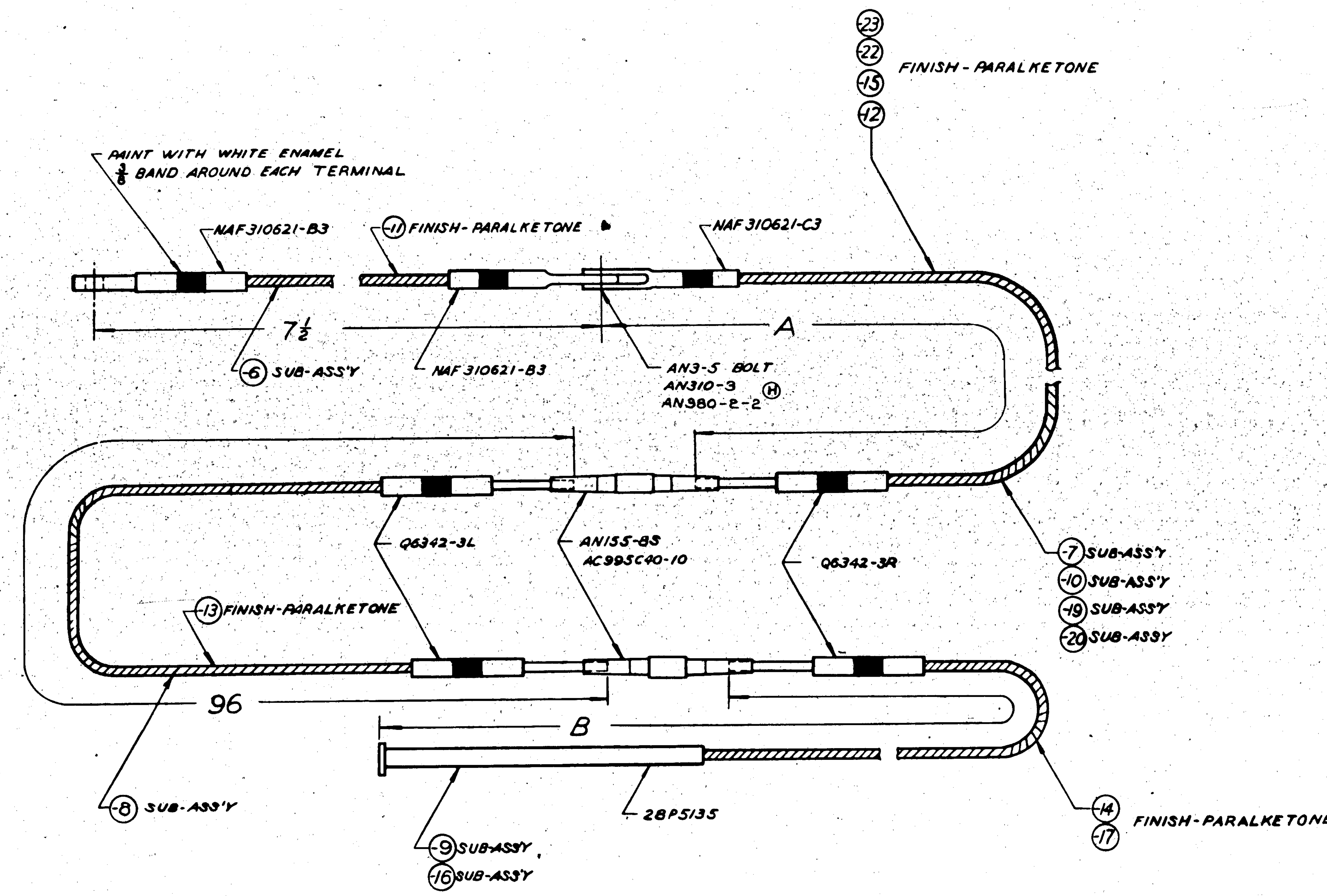
PART No	STOCK	MATERIAL	SPEC.	REQ. -0
-22	1/4 X 1 X 3 3/4	CH. MOLY	47514	1
-21	.093 X ... X 4 1/2	CH. MOLY	47514	1
-13	.093 X ... X 4	CH. MOLY	47514	1
-19	.093 X ... X 2	CH. MOLY	47514	2
-18	.093 X ... X ...	CH. MOLY	47514	2
-20	.093 X ... X ...	CH. MOLY	47514	1
-23	1/4 X 1 X 3 ...	CH. MOLY	47514	1
-8	11/16 DIA. X 1 ...	CH. MOLY ROD	45236-A	2
-15	.093 X ... X 11 ...	CH. MOLY	47514	1

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

HEAT TREAT	A C; NAVY 90,000 #/□" TO 115,000 #/□"
FINISH	C-P-AP
DRAFT / CHECK / STRUCT / MAT / APPROV / ENG	
OPP. HAND	
NAME	BRACKET — POWER PLANT - STARTER
DWG. SIZE	G
DWG. No.	28P5110

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
G	TRACED. NO WT. CHG.	4-22-43					
H	ON FACE & IN B/M ALL ASSYS. REMOVED AN310-10 NUT (1) REQ. PER ASS'Y. REPLACED WITH AN310-3 (1 REQ. PER ASS'Y) & AN380-2-2 (1 REQ. PER ASS'Y) WT. CHG. NEG.	9-28-	WELCH				



4. ALL CABLES TO BE 3/32 7X7 PREFORMED TINNED AIRCRAFT CABLE.
3. PRESTRETCH CABLE ASS'Y TO 442#.
2. SWAGE ALL ENDS. SWAGE AS PER SPEC. T46 WHERE APPLICABLE.
1. SEE DRWG. Q6342 FOR SWAGING OPERATION ON TERMINALS.

ASS'Y DASH NO.	-0	-2	-3	-4
CALC. WEIGHT	.495	.505	.496	.505
ACT. WEIGHT				

ASS'Y DASH NO	-0	-2	-3	-4
A	35 3/8	42 1/16	36 1/2	41 9/16
B	30 1/4	28 1/2	30 1/4	28 1/2
	(C)	(B)	(D)	

APPROVED FOR TOOLING BY

E. E. DALTON
3-3-43

PART No	STOCK	MATERIAL	SPEC	QTY
Q6342-3R				1
NAF310621-C3				1
28P5138-23	3/32 DIA X 39 1/2	NOTED	22C6	1
PARTS TO BE ASSEMBLED ON -20 SUB-ASS'Y				
Q6342-3R				1
NAF310621-C3				1
28P5138-22	3/32 DIA X 34 1/2	NOTED	22C6	1
PARTS TO BE ASSEMBLED ON -19 SUB-ASS'Y				
Q6342-3R				1
28P5135				1
28P5138-17	3/32 DIA X 28	NOTED	22C6	1
PARTS TO BE ASSEMBLED ON -16 SUB-ASS'Y				
Q6342-3R				1
NAF310621-C3				1
28P5138-15	3/32 DIA X 40	NOTED	22C6	1
PARTS TO BE ASSEMBLED ON -10 SUB-ASS'Y				
Q6342-3R				1
28P5135				1
28P5138-14	3/32 DIA X 26 1/2	NOTED	22C6	1
PARTS TO BE ASSEMBLED ON -9 SUB-ASS'Y				
Q6342-3L				2
28P5138-13	3/32 DIA. X 94	NOTED	22C6	1
PARTS TO BE ASSEMBLED ON -8 SUB-ASS'Y				
Q6342-3R				1
NAF310621-C3				1
28P5138-12	3/32 DIA X 39	NOTED	22C6	1
PARTS TO BE ASSEMBLED ON -7 SUB-ASS'Y				
NAF310621-B3				2
28P5138-11	3/32 DIA. X 74	NOTED	22C6	1
PARTS TO BE ASSEMBLED ON -6 SUB-ASS'Y				

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN380-2-2				1	1	1	1	
AN310-3				1	1	1	1	
AN3-5				1	1	1	1	
AC995C40-10				2	2	2	2	
AN155-8S				2	2	2	2	
28P5138-20	SUB-ASS'Y						1	
-19	SUB-ASS'Y					1		
-16	SUB-ASS'Y				1		1	
-10	SUB-ASS'Y				1			
-9	SUB-ASS'Y			1		1		
-8	SUB-ASS'Y			1	1	1	1	
-7	SUB-ASS'Y			1				
28P5138-6	SUB-ASS'Y			1	1	1	1	

PARTS LIST PER ASSY.

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-2	28-5AMN	28P5005	1
-0	28-5AMN	28P5005	1
-4	PBY-5B	28P5005	1
-3	PBY-5B	28P5005	1
-4	PBY-5	28P5005	1
-3	PBY-5	28P5005	1
-2	PBY-5A	28P5005	1
-0	PBY-5A	28P5005	1

C91876 (-4, -3)
C77713, C88476, EC-No-(S)464 (-2, -0)

REQUIREMENTS PER AIRPLANE

REPLACES 28P5138 - 2-6-41 — NOTED CALC. WT
REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/8 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

A C		KAREL		GREEN	BMN	KLEIN	McV
NAVY NONE	NOTED	2-6-41	2-12-41			3-10-41	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

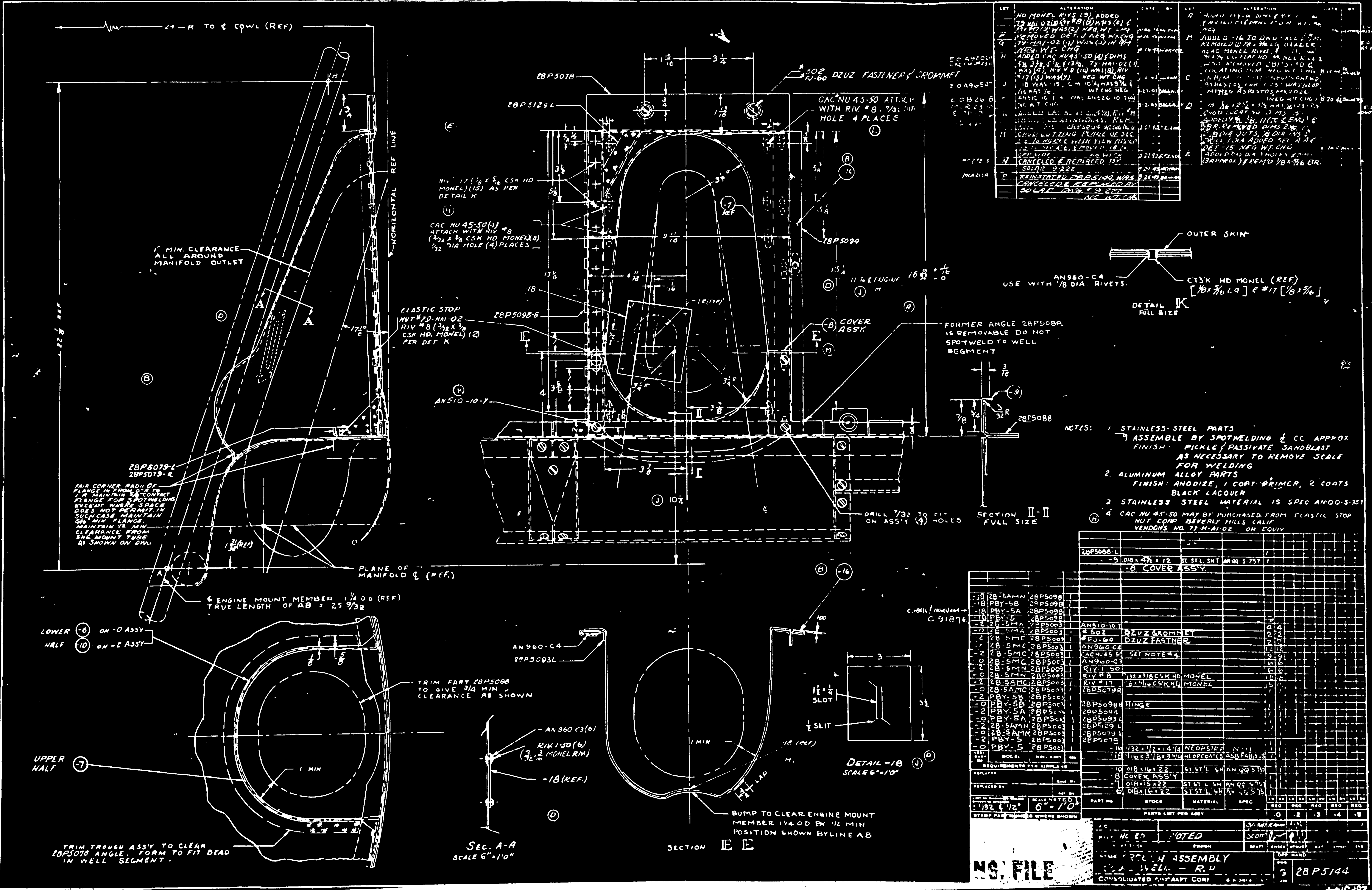
OPP HAND

NAME CABLE ASS'Y CARB. AIR CONTROL

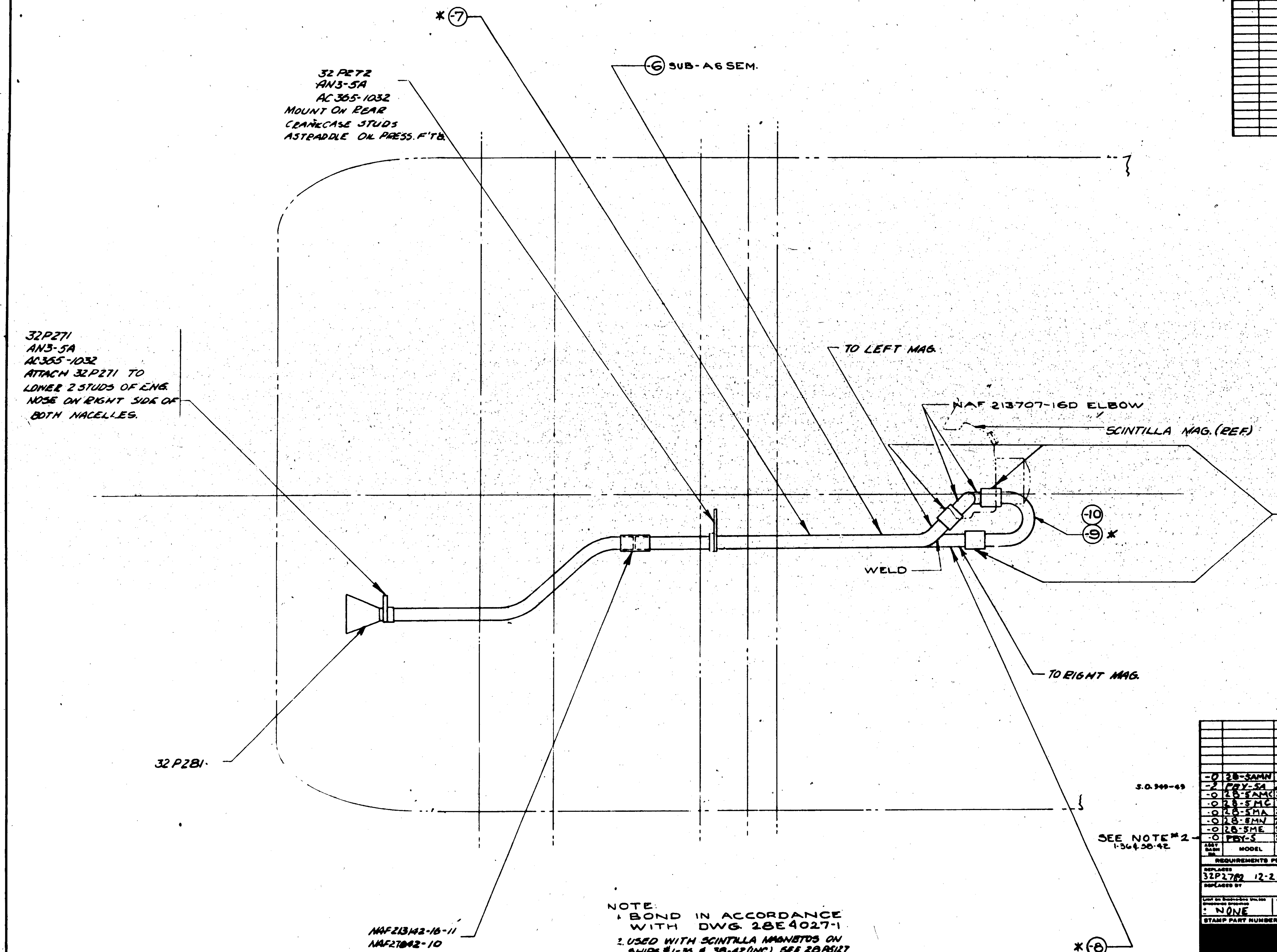
DWG SIZE G — 28P5138

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

R 28P5138


24 - R TO ℄ COWL (REF)
HORIZONTAL REF LINE
1" MIN. CLEARANCE ALL AROUND MANIFOLD OUTLET
28P5079-L
28P5079-R
PLANE OF MANIFOLD ℄ (REF.)
℄ ENGINE MOUNT MEMBER 1 1/4 O.D. (REF) TRUE LENGTH OF AB = 25 9/32
28P5078
28P5129 L
.502 DZUS FASTENER & GROMMET
CAC NU 45-50 ATTACH WITH RIV #8, 7/32 DIA HOLE 4 PLACES
ELASTIC STOP NUT #79-HAI-02
28P5098-6
28P5094
AN510-10-7
COVER ASSY.
FORMER ANGLE 28P5088 IS REMOVABLE DO NOT SPOTWELD TO WELL SEGMENT
DRILL 7/32 TO FIT ON ASS'Y (4) HOLES
SECTION II-II FULL SIZE
28P5088
OUTER SKIN
AN960-C4 USE WITH 1/8 DIA. RIVETS
DETAIL K FULL SIZE
NOTES:
1 STAINLESS-STEEL PARTS ASSEMBLE BY SPOTWELDING & CC APPROX FINISH: PICKLE & PASSIVATE SANDBLAST AS NECESSARY TO REMOVE SCALE FOR WELDING
2. ALUMINUM ALLOY PARTS FINISH: ANODIZE, 1 COAT PRIMER, 2 COATS BLACK LACQUER
3 STAINLESS STEEL MATERIAL IS SPEC AN-QQ-S-757
4 CAC NU 45-50 MAY BE PURCHASED FROM ELASTIC STOP NUT CORP. BEVERLY HILLS CALIF VENDOR'S NO. 79-H-A1-02 OR EQUIV.
LOWER HALF -6 ON -0 ASSY
-10 ON -2 ASSY
UPPER HALF -7
TRIM PART 28P5088 TO GIVE 3/4 MIN CLEARANCE AS SHOWN
TRIM TROUGH ASS'Y TO CLEAR 28P5078 ANGLE. FORM TO FIT BEAD IN WELL SEGMENT.
SEC. A-A SCALE 6" = 1'0"
AN960-C4
28P5093L
BUMP TO CLEAR ENGINE MOUNT MEMBER 1 1/4 OD BY 1/2 MIN POSITION SHOWN BY LINE AB
SECTION E E
DETAIL -18 SCALE 6" = 1'0"
-8 COVER ASSY.
DZUS GROMMET
DZUS FASTNER
SEE NOTE #4
PARTS LIST PER ASSY
28P5144
CONSOLIDATED AIRCRAFT CORP

	LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
E.O. A15774	A	ADDED -2 ASS'Y & NOTE "-10--- STARTER" NO WT. CHG.	1-24-41					
E.O. A49795	B	BROUGHT REQS. PER AIRPLANE TO DATE. (NO WT. CHG.)	8-7-42					



* NOTE:
-7 IS IDENTICAL TO OBSOLETE PART NO. 32P278-13
-8 " " " " " 32P278-14
-9 " " " " " 32P278-15

Ⓐ -10 IS IDENTICAL TO -9 ASS'Y. EXCEPT -10 TO BE ROUTED TO CLEAR JACK & HEINTZ STARTER.

NOTE:
1. BOND IN ACCORDANCE WITH DWG. 28E4027-1
2. USED WITH SCINTILLA MAGNETOS ON SHIPS #1-36 & 38-42 (INC.). SEE 28P5127 FOR BOSCH MAGNETO INSTALL.

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
28P5148-8	1 O.D. x .049 x 21/2	52 SO TUBE	44T32 TEMPA	1				
28P5148-7	1 O.D. x .049 x 19	52 SO TUBE	44T32 TEMPA	1				
	PARTS ON -6 SUB-ASSEM.							
NAF27842-10				8	8			
NAF213142-16-11				4	4			
NAF213707-16D				2	2			
AN3-5A				2	2			
AC365-1032				2	2			
AN526DD1032-12	SEE NOTE #1			4	4			
Q908-A16	SEE NOTE #1			4	4			
Q508A-6	SEE NOTE #1			4	4			
32P281				1	1			
32P272				1	1			
32P271				1	1			
-10	1 O.D. x .049 x 33	52 SO TUBE	44T32 TEMPA		1			
28P5148-9	1 O.D. x .049 x 33	52 SO TUBE	44T32 TEMPA	1				
28P5148-6	SUB-ASSEM.			1	1			

PARTS LIST PER ASSY.

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-0	28-5AMN	28P5100	2
-2	PBY-5A	28P5100	2
-0	28-5AMC	28P5100	2
-0	28-5MC	28P5100	2
-0	28-5MA	28P5100	2
-0	28-5MN	28P5100	2
-0	28-5ME	28P5100	2
-0	PBY-5	28P5100	2

REQUIREMENTS PER AIRPLANE

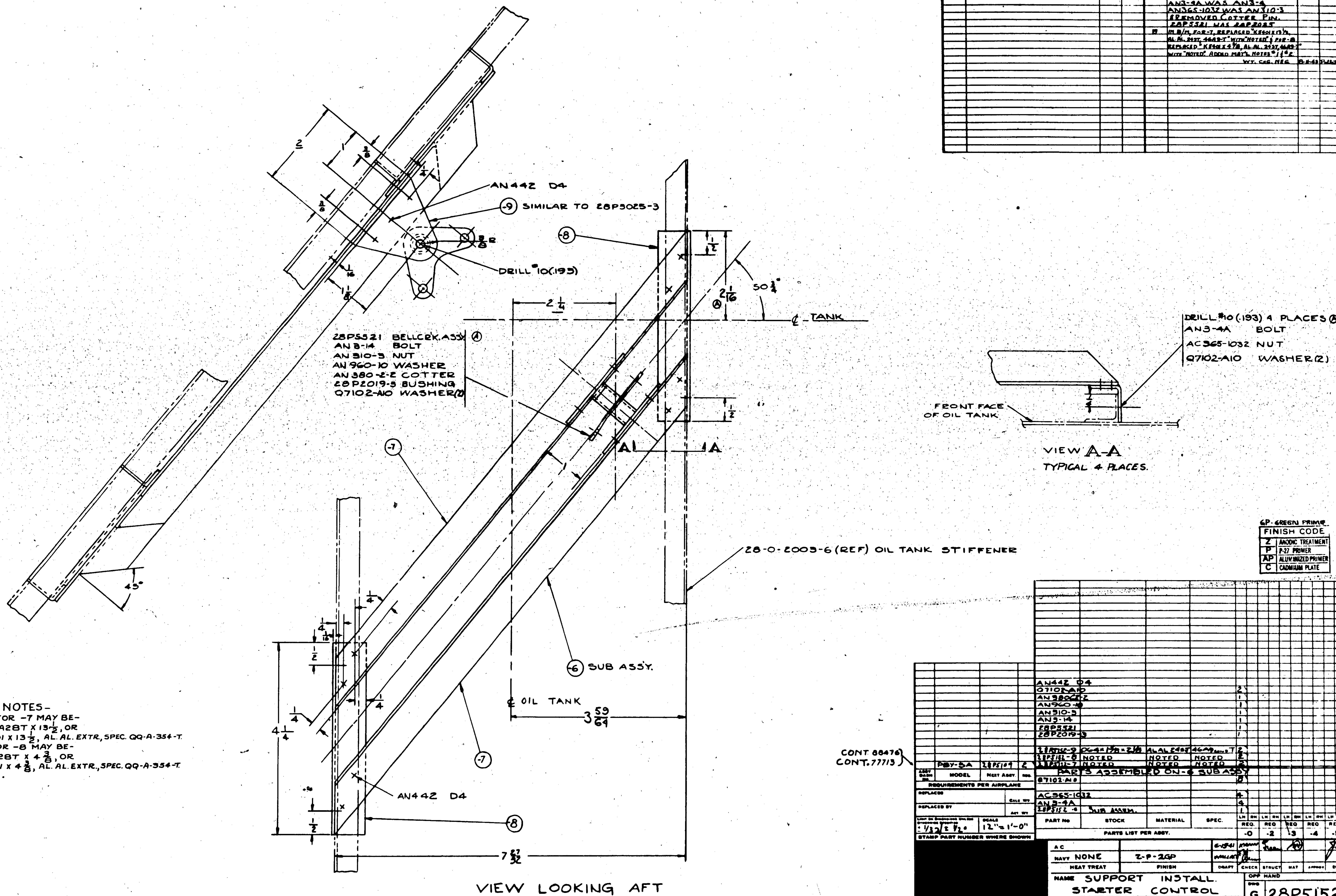
S.O. 349-49

SEE NOTE #2 — 1-36 & 38-42

REPLACES 32P2782 12-20-39 CALC. WT.
REPLACED BY ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± NONE
SCALE 3" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

A.C.
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT: 5-13-41 — CHECK — STRUCT — MAT — APPROV — ENG
OPP. HAND
NAME: INSTALLATION MAGNETO BLAST TUBES
DWG. SIZE G — 28P5148
CONSOLIDATED AIRCRAFT CORP. — SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	ADDED 2¹/₁₆ DIM. & DRILL NOTE	11-17-[illegible]	[illegible]
	AN3-4A WAS AN3-4		
	AN365-1032 WAS AN310-3		
	& REMOVED COTTER PIN.		
	28P5521 WAS 28P2025		
B	IN B/M, FOR -7, REPLACED "K5401 X 13½, AL. AL. 24ST, 4649-T" WITH "NOTED" & FOR -8 REPLACED "K5401 X 4⅜, AL. AL. 24ST, 4649-T" WITH "NOTED". ADDED MAT'L NOTES ① & ②.		
	WT. CHG. NEG.	[illegible]-43	[illegible]



MATERIAL NOTES –
Ⓑ 1 – MAT'L. FOR -7 MAY BE –
(A) Y-2-A28T X 13½, OR
(B) K5401 X 13½, AL. AL. EXTR., SPEC. QQ-A-354-T.
2 – MAT'L. FOR -8 MAY BE –
(A) Y-2-A28T X 4⅜, OR
(B) K5401 X 4⅜, AL. AL. EXTR., SPEC. QQ-A-354-T.

GP - GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

CONT. 88476
CONT. 77713

ASSY DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28P5109	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 ± ½° — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
AN442 D4				
Q7102-A10				2
AN380-2-2				1
AN960-10				1
AN310-3				1
AN3-14				1
28P5521				1
28P2019-3				1
28P5152-9	.064 × 1⅝ × 2⅛	AL. AL. 24ST	4649 [illegible] T	2
28P5152-8	NOTED	NOTED	NOTED	2
28P5152-7	NOTED	NOTED	NOTED	2
PARTS ASSEMBLED ON -6 SUB ASSY				
Q7102-A10				8
AC365-1032				4
AN3-4A				4
28P5152-6	SUB ASSEM.			1

PARTS LIST PER ASSY. (REQ. -0, -2, -3, -4, -5; LH / RH)

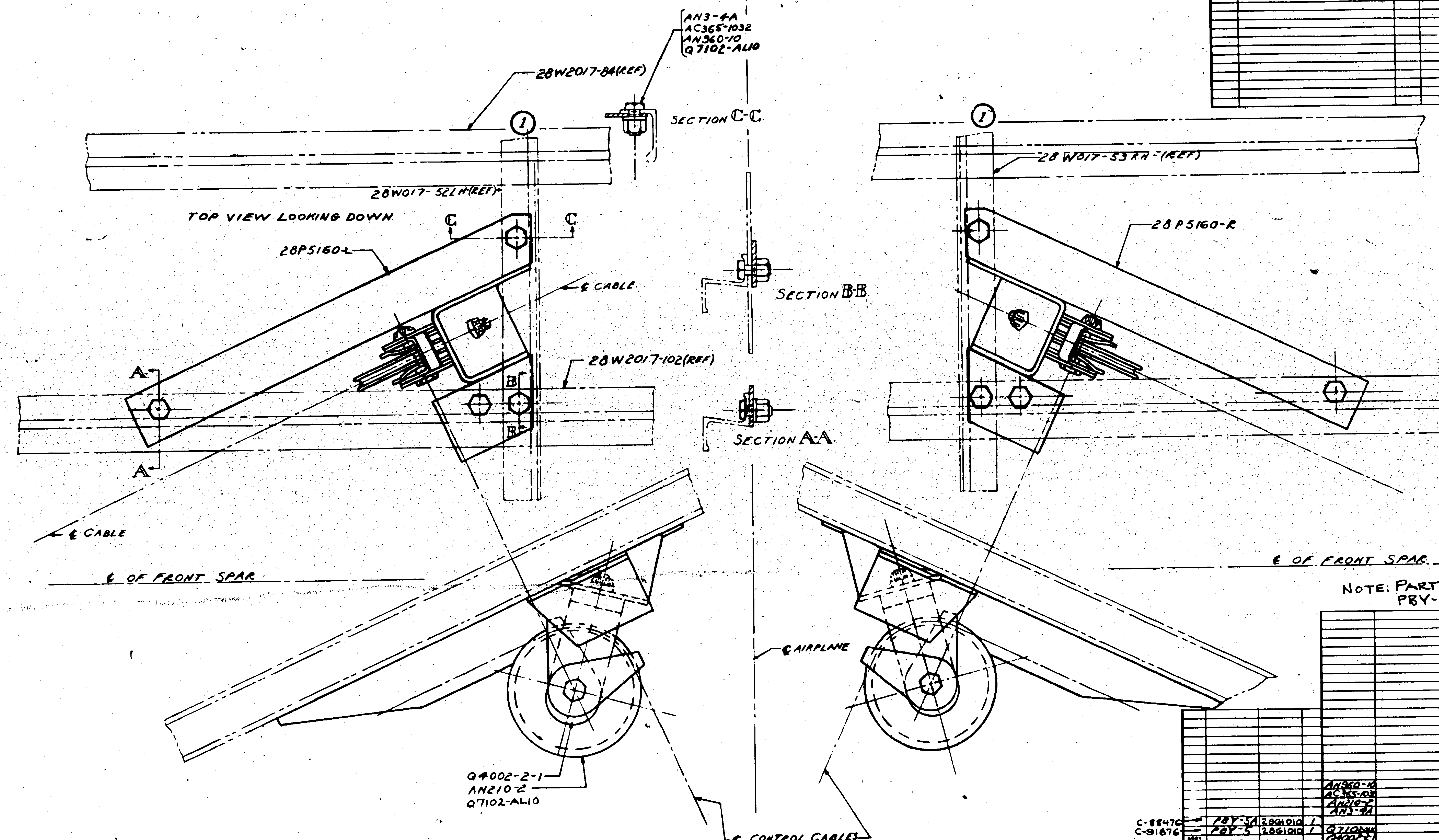
A C		DATE 6-15-41				
NAVY NONE	Z-P-2GP					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV. / ENG

NAME SUPPORT INSTALL. STARTER CONTROL

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP. HAND — DWG SIZE G — 28P5152

R 28P5152



NOTE: PARTS HAVE BEEN MADE FOR 52 PBY-5A's ON C-88476

PART No	STOCK	MATERIAL	SPEC	REQ. -0
AN960-10				8
AC365-1032				8
AN210-2				2
AN3-4A				8
Q7102-AL10				9
Q4002-2-1				2
28P5160-R				1
28P5160-L				1

PARTS LIST PER ASSY.

	MODEL	NEXT ASSY	REQ.
C-88476	PBY-5A	28G1010	1
C-91876	PBY-5	28G1010	1

REQUIREMENTS PER AIRPLANE

REPLACES 28G5062 OF 11-5-40

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

SCALE 2" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

A C

NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT Austin — CHECK — STRUCT 2-11-42 — MAT 2-10-42 — APPROV 2-10-42 — ENG

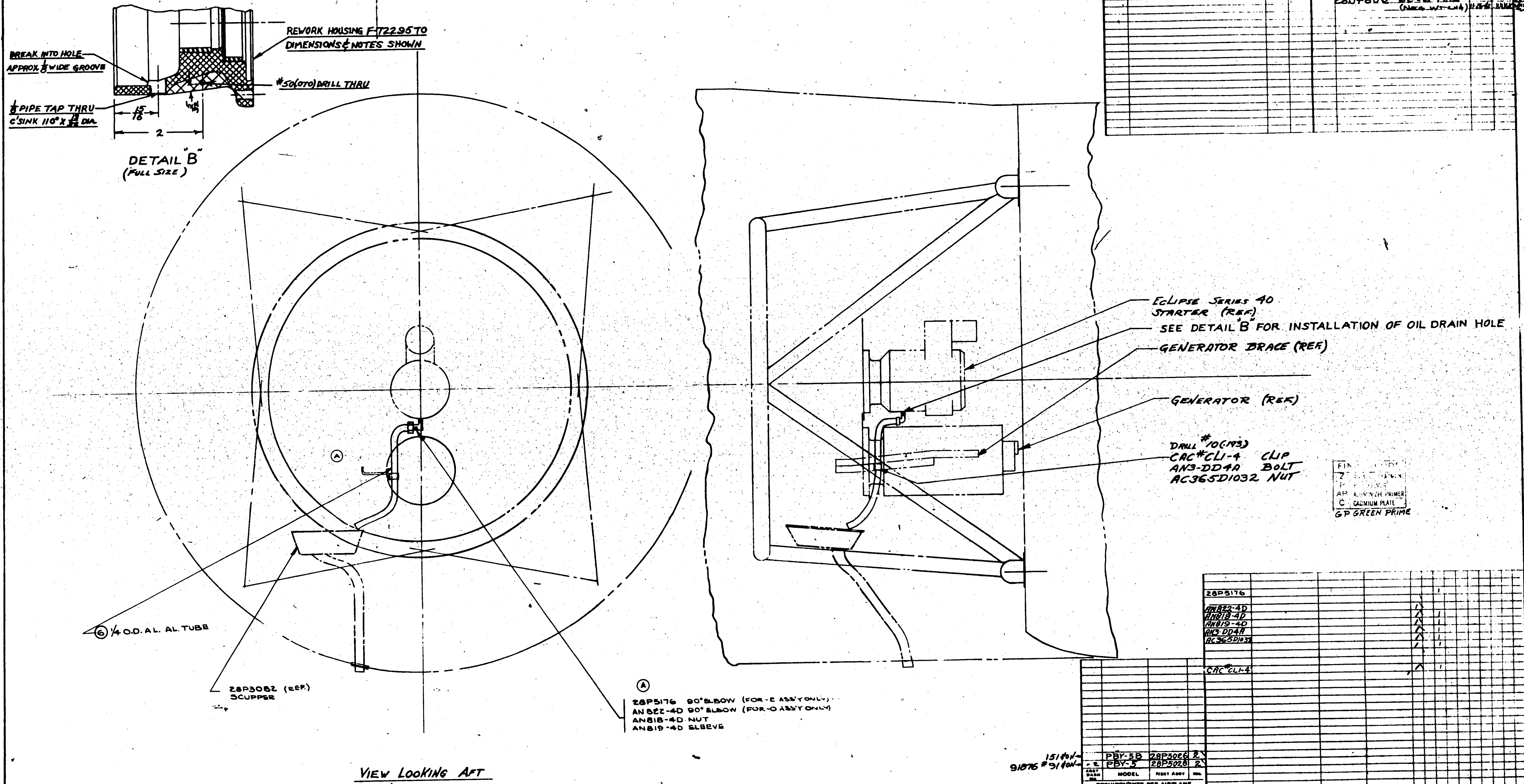
NAME INSTALLATION-FUEL SYSTEM DUMP VALVE - UPPER FRONT PULLEY

DWG SIZE G — 28P5163.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

R

LET	ALTERATION	DATE	BY
A	CREATED -2 ASS'Y, WT. CHG. NEG.	[illegible]	[illegible]
B	REMOVED SECT. A-A & AN931-4-7(1) WT. CHG. NEG.	[illegible]	[illegible]
C	ON FACE OF DWG. CHG'D CONTOUR OF -6 TUBE (NEG. WT. CHG.)	[illegible]	[illegible]



PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
28P5176					1			
AN822-4D				1				
AN818-4D				1	1			
AN819-4D				1	1			
AN3-DD4A				1	1			
AC365D1032				1	1			
CAC CL1-4				1				
-6	1/4 O.D. X .035	AL. AL. TUBE	24ST3R-A	1	1			

PARTS LIST PER ASSY.

ASSY DASH No.	MODEL	NEXT ASSY	No.
151 4on-	PBY-5B	28P5026	2
-2 (91876 #91 4on-)	PBY-5	28P5028	2

REQUIREMENTS PER AIRPLANE

REPLACES 28R5200 — CALC. WT

REPLACED BY — — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 — SCALE 3" = 1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

A C — | NAVY NONE | HEAT TREAT

FINISH Z-P-GP

DRAFT Haymos | CHECK JM LEO 6-1-42 | STRUCT GERBER | MAT JWS | APPROV [illegible] | ENG Zock / Mc Vk.

OPP. HAND

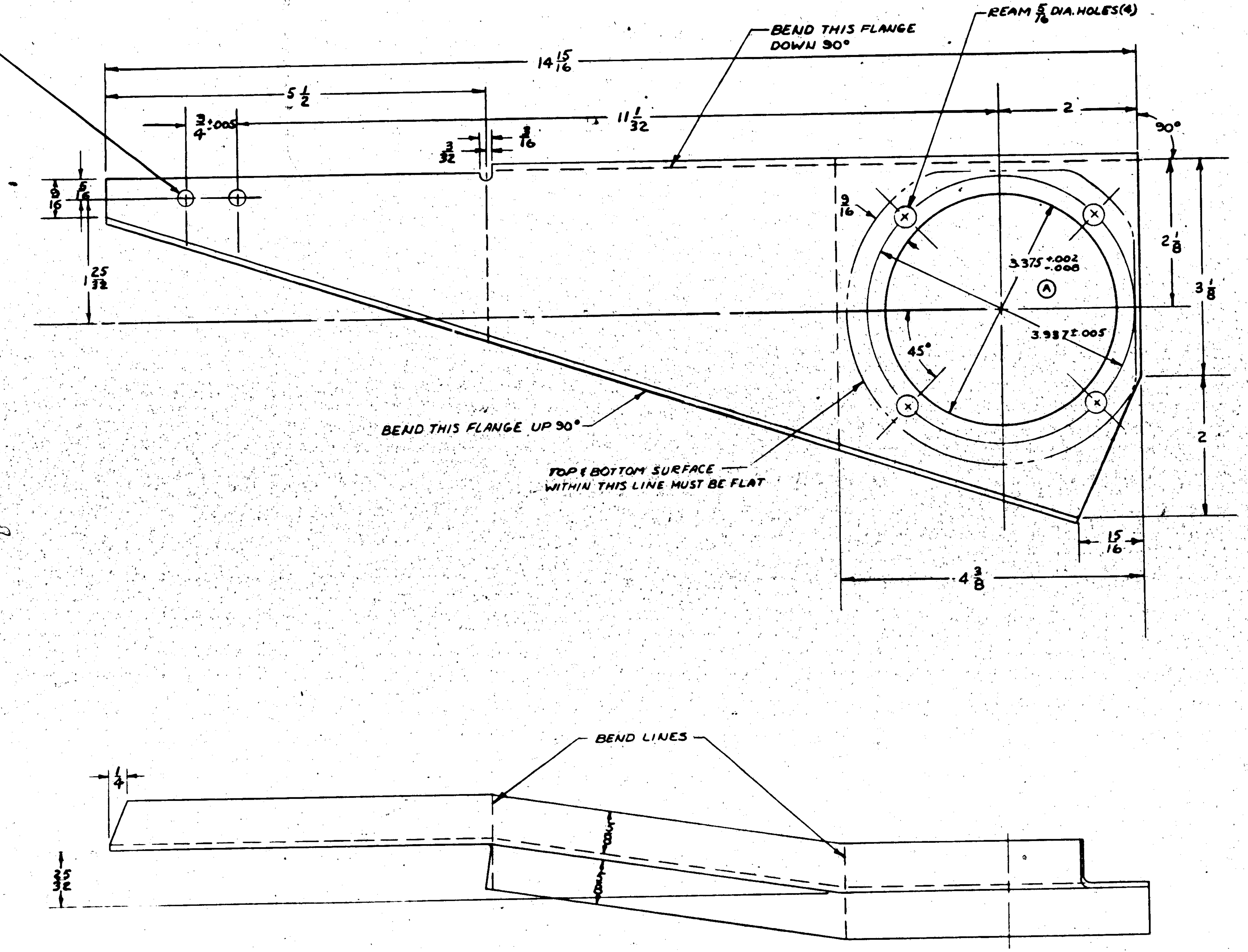
NAME INSTALL.-STARTER OIL DRAIN LINE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

SIZE G — DWG 28P5168

R 8/12/42

LET	ALTERATION	DATE	BY
A	DIM. 3.375 WAS 3.367	1-27-43	[illegible]
B	ADDED PBY-5A TO REQ/AIRP.	1-27-43	[illegible]
C	ADDED NORMALIZE TO H.T. BLOCK	1-27-43	[illegible]



BEND RADII 1/8

	MODEL	NEXT ASSY	REQ
C.W.S 13595	PBY-5A	28P5100	2
C.31876 91 ON	PBY-5	28P5100	2

REQUIREMENTS PER AIRPLANE

REPLACES | CALC WT

REPLACED BY | ACT WT

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ±1/32 & NOTED | SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
	.093 x 7 x 15 1/8	CH. MOLY	AN-QQ-S-685	1				

PARTS LIST PER ASSY.

A C

NAVY NORMALIZE — HEAT TREAT

C-P-GP — FINISH

DRAFT: WALLACE 9-15-42 | CHECK | STRUCT | MAT | APPROV | ENG.

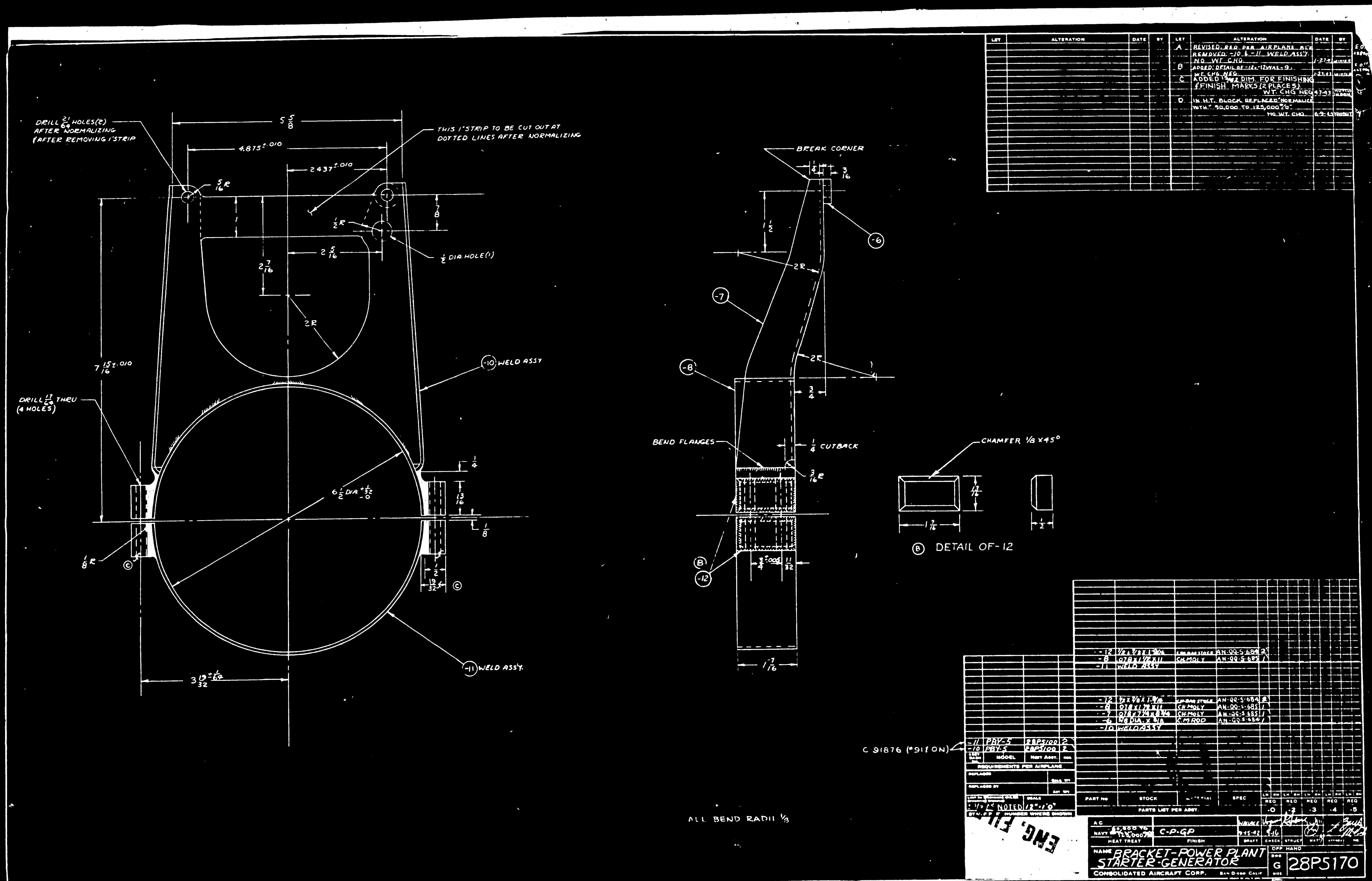
NAME: BRACKET- POWER PLANT-GENERATOR

OPP. HAND

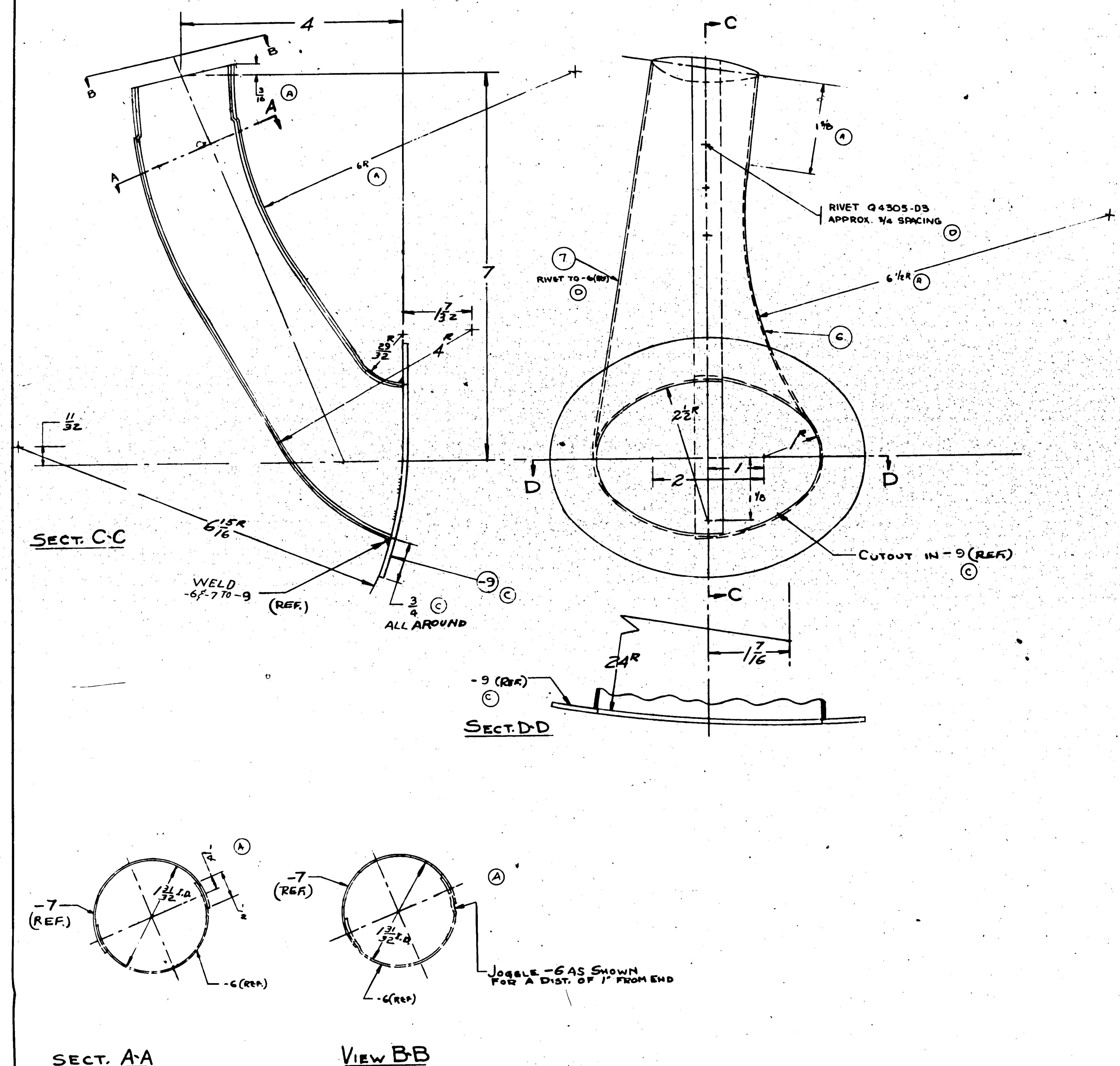
DWG. SIZE G — 28P5169

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R



DRILL 21/64 HOLES(2) AFTER NORMALIZING & AFTER REMOVING 1" STRIP
THIS 1" STRIP TO BE CUT OUT AT DOTTED LINES AFTER NORMALIZING
5 5/8
4.875±.010
2437±.010
5/16 R
7/8
1/2 R
1/2 DIA. HOLE(1)
2 5/16
2 7/16
2R
-10 WELD ASSY
7 15/16±.010
DRILL 17/64 THRU (4 HOLES)
6 1/2 DIA +1/32 -0
1/4
13/16
1/8
1/8 R
1/2
19/32
-11 WELD ASS'Y.
3 19/32
BREAK CORNER
1/4
3/16
1 1/2
-6
-7
-8
2R
3/4
BEND FLANGES
1/4 CUTBACK
3/16 R
-12
1 7/16
CHAMFER 1/8 x 45°
DETAIL OF -12
ALL BEND RADII 1/8
C 91876 (#91 ON)
LET
ALTERATION
DATE
BY
A REVISED: REQ PER AIRPLANE BL'K REMOVED: -10 & -11 WELD ASS'Y. NO WT CHG. 1-27-43 WINTER
B ADDED: DETAIL OF -12, -12 WAS -9. WT CHG NEG. 1-27-43 WINTER
C ADDED 19/32 DIM. FOR FINISHING & FINISH MARKS (2 PLACES). WT. CHG NEG 4-7-43
D. IN H.T. BLOCK REPLACED "NORMALIZE" WITH "90,000 TO 125,000 #/□". NO WT. CHG. 6-9-43 KNIGHT
-12 1/2 x 7/8 x 1 9/16 C.M. BAR STOCK AN-QQ-S-684 2
-8 .078 x 1 1/2 x 11 CH.MOLY AN-QQ-S-685 1
-11 WELD ASSY
-12 1/2 x 7/8 x 1 9/16 C.M. BAR STOCK AN-QQ-S-684 2
-8 .078 x 1 1/2 x 11 CH.MOLY AN-QQ-S-685 1
-7 .078 x 7 1/4 x 8 3/4 CH.MOLY AN-QQ-S-685 1
-6 5/8 DIA. x 5/8 C.M.ROD AN-QQ-S-684 1
-10 WELD ASSY
-11 PBY-5 28P5100 2
-10 PBY-5 28P5100 2
MODEL
NEXT ASSY.
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
NOTED
SCALE
12"=1'0"
PART No
STOCK
SPEC
PARTS LIST PER ASSY.
REQ
-0
-2
-3
-4
-5
AC
NAVY
HEAT TREAT
C-P-GP
FINISH
WALLACE
DRAFT
9-15-42
9-16
CHECK
STRUCT
OPP. HAND
ENG. FILE
NAME BRACKET-POWER PLANT STARTER-GENERATOR
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
G
28P5170



LET	ALTERATION	DATE	BY
A	REVOLVED PARTING LINE 90°. REMOVED DIMS 1 3/4, 5 3/16, 1 5/16, 4 1/2R, 3R & 7/16R. ADDED DIMS 3/16, 1 5/8, 6R & 6 1/2R. NO WT. CHG.	1-27-43	[illegible]
B	IN FINISH BLOCK "NONE" WAS "Z-P-ZGP." NO WT. CHG.	1-27-43	[illegible]
C	-9 REPLACES -8. DIM. 3/4 WAS 5/8. WT. CHG. NEG.	1-27-43	[illegible]
D	REMOVED AN 442-AD4 (4 PLACES). "RIVET Q4305-D3 APPROX. 3/4" SPACING" REPLACES "SPOTWELD @ 1/2" SPACING" NOTE "RIVET TO -6 (REF.)" WAS "SPOTWELD TO -6 (REF.)" NO WT. CHG	1-27-43	[illegible]
E	-6, -7 & -9 MAT. 5250 AL ALL SHT WAS 5250 ALC. NO. WT. CHG.	3-3-43	[illegible]

Q4305-D3

MCR 89-15

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5	28-0-5015	2

REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
-9	.072 x 4 1/2 x 5 3/4	5250 AL ALL SHT	47A11-A	1				
-7	.040 x 7 x 9	5250 AL ALL SHT	47A11-A	1				
-6	.040 x 7 x 8	5250 AL ALL SHT	47A11-A	1				

PARTS LIST PER ASSY.

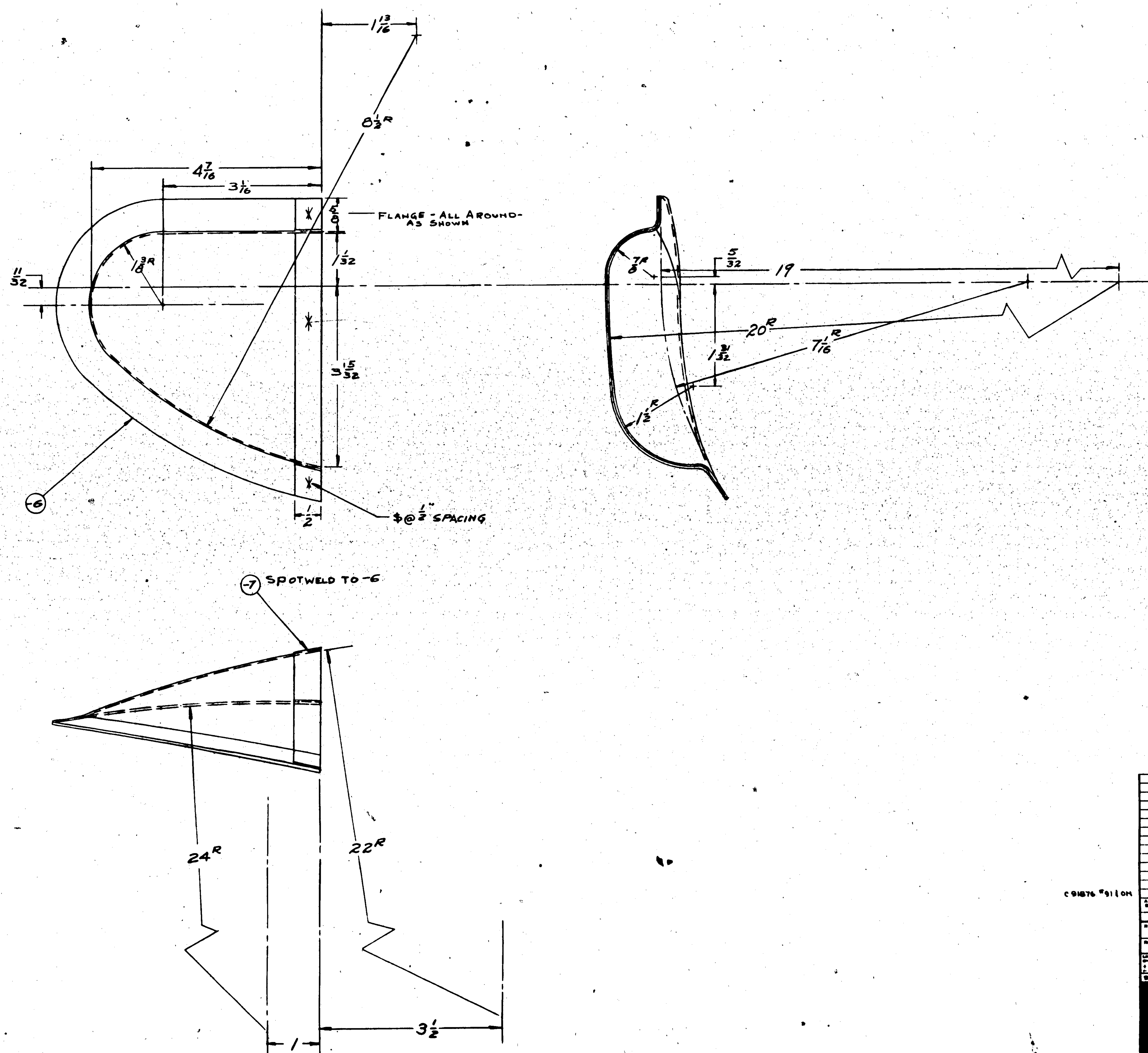
REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12 = 10"
STAMP PART NUMBER WHERE SHOWN

A C
NAVY NONE — HEAT TREAT
NONE — FINISH
DRAFT — CHECK — STRUCT — MAT — APPROV — ENG

NAME BLAST TUBE-COOLING AIR-NEA-3 TYPE GENERATOR
OPP. HAND
DWG. SIZE G — 28P5172
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	FINISH "NONE" WAS "Z-P-2GP"		
					WT CHG NEG	[illegible]	[illegible]



C91876 #9110H

	MODEL	NEXT ASSY	
	PBY-5	28-0-5015	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
-7	.051 x 5 1/2 x 6 1/4	ALC 24ST	47A8-T	1				
-6	.051 x 6 1/4 x 8 3/4	ALC 24ST	47A8-T	1				

PARTS LIST PER ASSY.

A C — NAVY NONE — HEAT TREAT

NONE — FINISH

DRAFT 9-17-40 — CHECK — STRUCT — MAT — APPROV — ENG

NAME SCOOP-GENERATOR COOLING AIR-NEA-3 TYPE GENERATOR

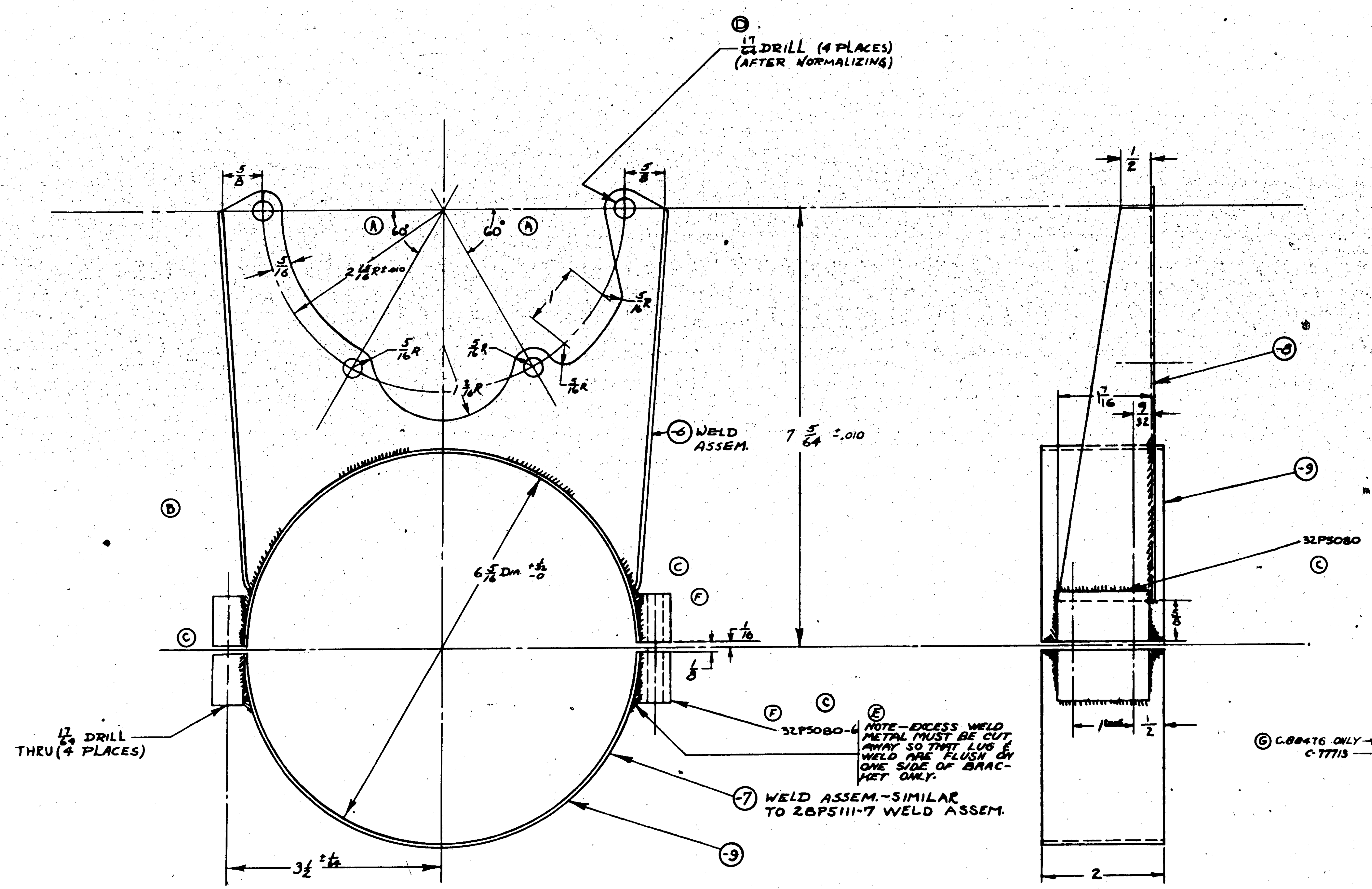
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

OPP HAND

DWG SIZE G — 28P5173

R

	LET	ALTERATION	DATE	BY
EOA30080	A	ADDED 60° LOCATING DIMS. NO WT CHG.	[illegible]	[illegible]
EO A32104	B	REMOVED 2 1/2 DIM & 4R (TYP)	[illegible]	[illegible]
EOA31569	C	32P5080(4) WAS -10(4). DIM 13/16 WAS 1 1/4. REMOVED DIM 1/2 & FLANGE BOTTOM OF -9	3-1-42	[illegible]
E.O. A47204	D	NOTE: 17/64 DRILL (4 PLACES) (AFTER NORMALIZING) WAS 5/16 DRILL — — NORMALIZING. WT CHG NEG.	9-7-42	[illegible]
E.O. A72554A	E	ADDED NOTE "EXCESS — [illegible]"	3-1-42	[illegible]
E.O. A59350	F	REM'D DIM. 13/16. 32P5080-6(1) WAS 32P5080(2) NO WT. CHG.	4-21-[illegible]	[illegible]
	G	[illegible] PER AIRPLANE BLOCK ADDED "ONLY" TO C88476. NO WT CHG	[illegible]	[illegible]



FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE— ALL BEND RADII 1/8"

G C88476 ONLY → C-77713 →

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28P5100	2
	PBY-5A	28P5100	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ±1/64, 1/2° & NOTED — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
32P5080-6					2			
-9	.078 x 2 1/2 x 10 1/2	C.M. SHT STL	[illegible]-685		1			
-7	WELD ASSY							
32P5080-6					2			
-9	.078 x 2 1/2 x 10 1/2	C.M. SHT STL	[illegible]-685		1			
-8	.078 x 7 x 9 1/2	C.M. SHT STL	[illegible]-685		1			
-6	WELD ASSY							
-7	WELD ASSEM.				1			
-6	WELD ASSEM.				1			

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV. ENG
NAVY [illegible]	C-P-AP	2-27-42				
HEAT TREAT	FINISH					

NAME: SUPPORT—STARTER GENERATER—POWER PLANT

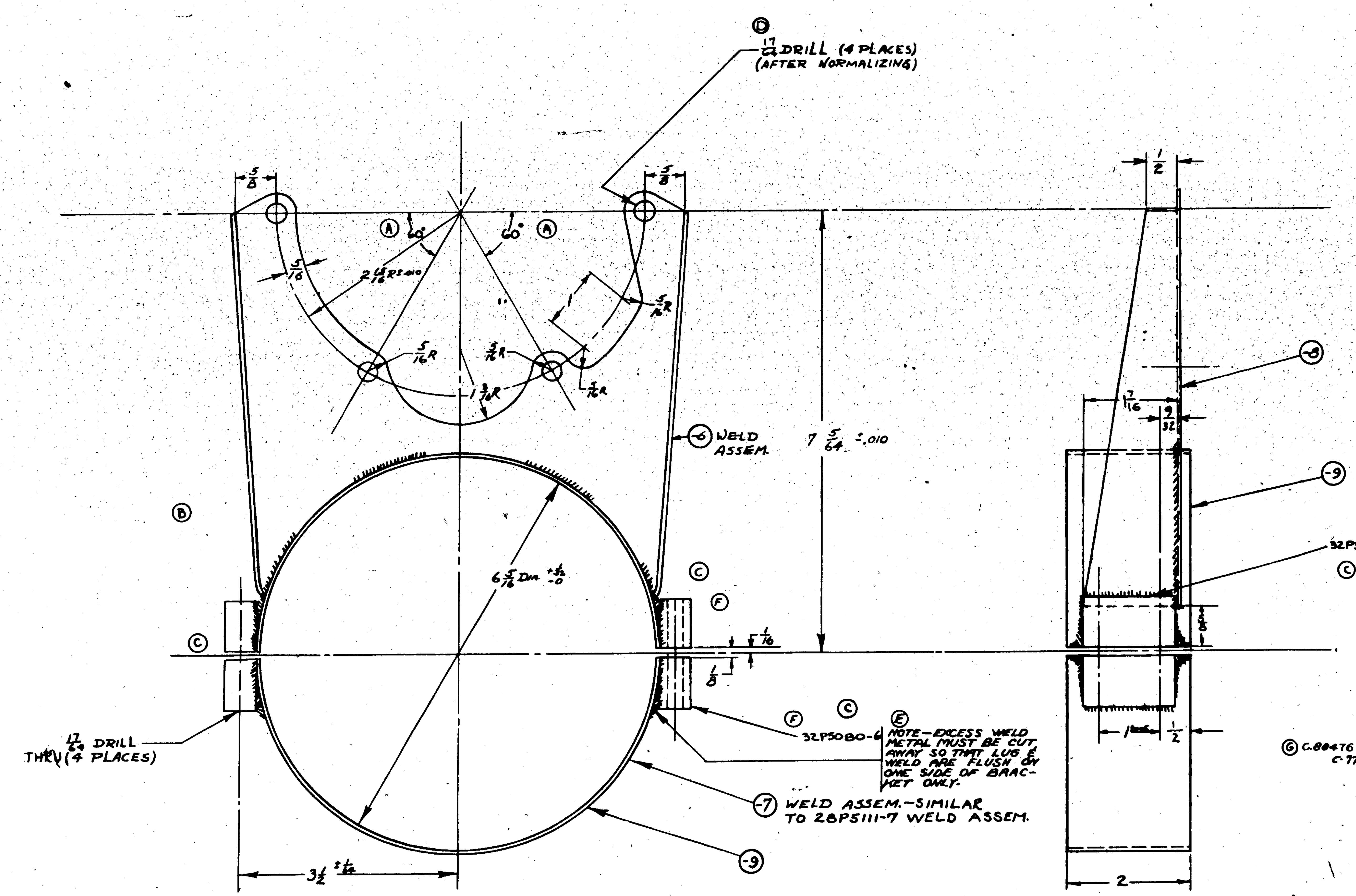
OPP HAND

DWG SIZE: G — 28P5527

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

R

LET	ALTERATION	DATE	BY
A	EOA30080 ADDED 60° LOCATING DIMS. NO WT.CHG.	4-15-42	[illegible]
B	EO A32104 REMOVED 2 1/2 DIM & 4 R (TYP)	4-0-42	[illegible]
C	EOA31569 32P5080(4) WAS -10 (4). DIM 13/16 WAS 3 3/4. REMOVED DIM 1/2 & FLANGE BOTTOM OF -9	5-1-42	[illegible]
D	E.O. A47204 NOTE: 17/64 DRILL (4 PLACES) AFTER NORMALIZING) WAS 5/16 DRILL — — NORMALIZING. WT.CHG NEG.	9-7-42	[illegible]
E	E.O. A72554A ADDED NOTE "EXCESS - ONLY"	3-1-42	[illegible]
F	E.O. A59350 REM'D DIM. 13/16. 32P5080-6 WAS 32P5080. NO WT. CHG.	[illegible]	[illegible]
G	IN REQ PER AIRPLANE BLOCK ADDED "ONLY" TO C.88476. NO WT. CHG	[illegible]	[illegible]



FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE—
ALL BEND RADII 1/8

(G) C.88476 ONLY →
C-77713 →

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28P5100	2
	PBY-5A	28P5100	2

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ±1/32, 1/2° & NOTED — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
32P5080-6				2				
-9	.078 x 2 1/2 x 10 1/2	CM SHT STL	AN-QQ-S-685	1				
-7	WELD ASSY							
32P5080-6				2				
-9	.078 x 2 1/2 x 10 1/2	C.M. SHT STL	AN-QQ-S-685	1				
-8	.078 x 7 x 9 1/2	C.M. SHT STL	AN-QQ-S-685	1				
-6	WELD ASSY							
-7	WELD ASSEM.			1				
-6	WELD ASSEM.			1				

PARTS LIST PER ASSY.

A C						
NAVY [illegible]	C-P-AP	2-27-42			TATE 3-16-42	
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV ENG

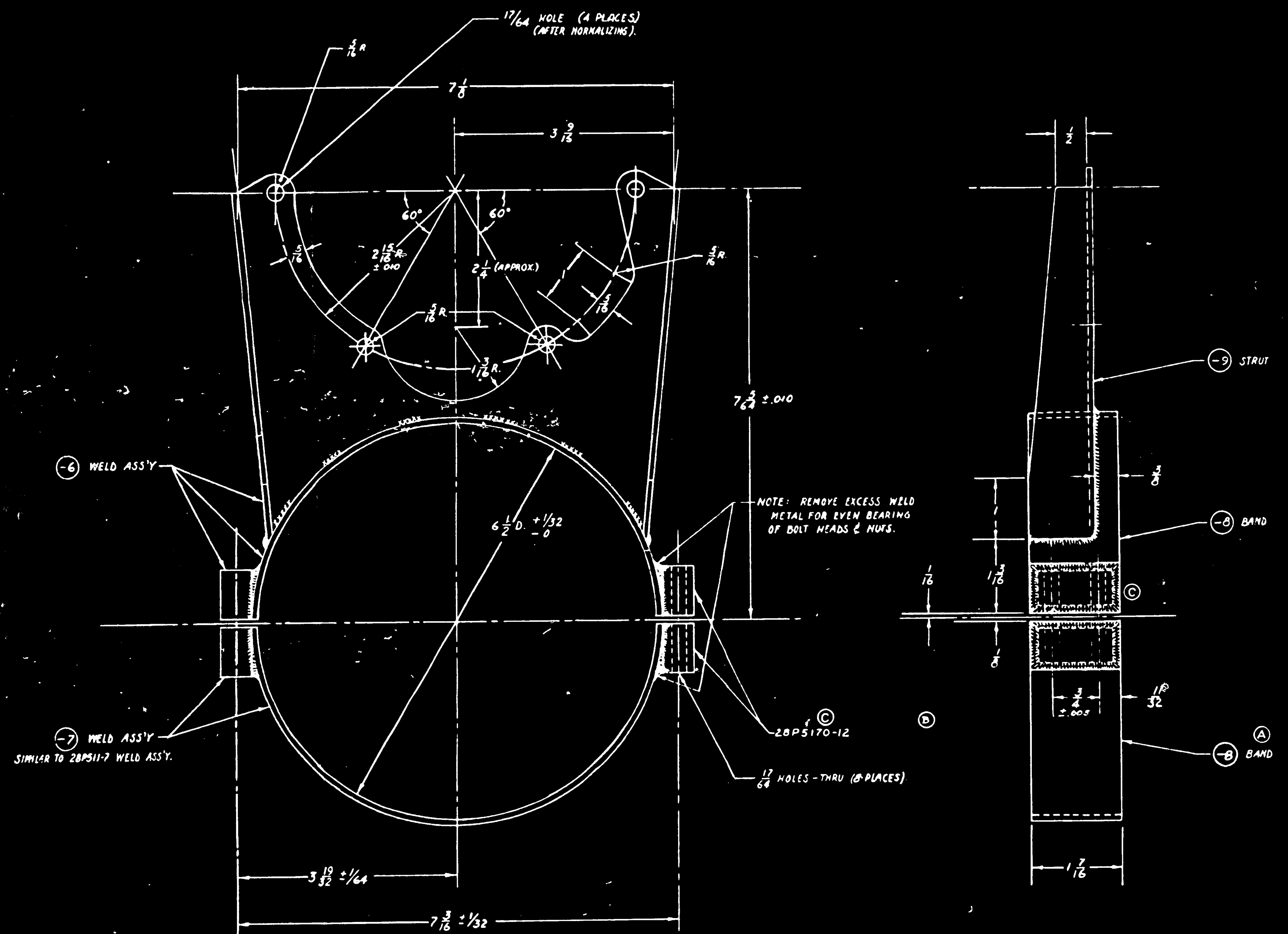
NAME SUPPORT-STARTER GENERATER-POWER PLANT

OPP HAND

DWG SIZE G — 28P5527

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

R



NOTE: ALL BEND RADII 1/8.

LET	ALTERATION	DATE	BY
A	ON -7 WELD ASSY -8 WAS -10. NO WT. CHG.	2-16-43	Bennett
B	Q816-6-26 (4 EA. IN -6 & -7 ASSY) WAS Q816 8-26. NEG. WT. CHG.	4-8-43	[illegible]
C	FOR -6 & -7 WELD ASS'YS 28P5170-12 (2) REPLACES Q816-6-26 (SPACER) LUGS (4). WT. CHG. NEG.	5-28-43	[illegible]

E.O. 8189 GR

PART No	STOCK	MATERIAL	SPEC	REQ
28P5170-12				2
-8	.078 x 1 1/2 x 10 1/2	C.M. SHT STL	AN-QQ-S-685	1
-7	WELD ASSY			
28P5170-12				2
-9	.078 x 6 1/4 x 8 3/4	C.M. SHT STL	AN-QQ-S-685	1
-8	.078 x 1 1/2 x 10 1/2	C.M. SHT STL	AN-QQ-S-685	1
-6	WELD ASSY			
-7	WELD ASS'Y			1
-6	WELD ASS'Y			1

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5 (LH / RH)

ASSY DASH No	MODEL	NEXT ASSY	REQ
	PBY-5A	28P5100	2

REQUIREMENTS PER AIRPLANE

REPLACES — 1.85# CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32, 1/2° & NOTED — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

MCR #188-1

			Draft	Check	Struct.	Mat.	Approv.	Eng.
A.C.			Sorensen					
NAVY NORMALIZE	C-P-GP		12-26-42					
HEAT TREAT	FINISH							

NAME SUPPORT—POWER PLANT—STARTER, GENERATOR.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

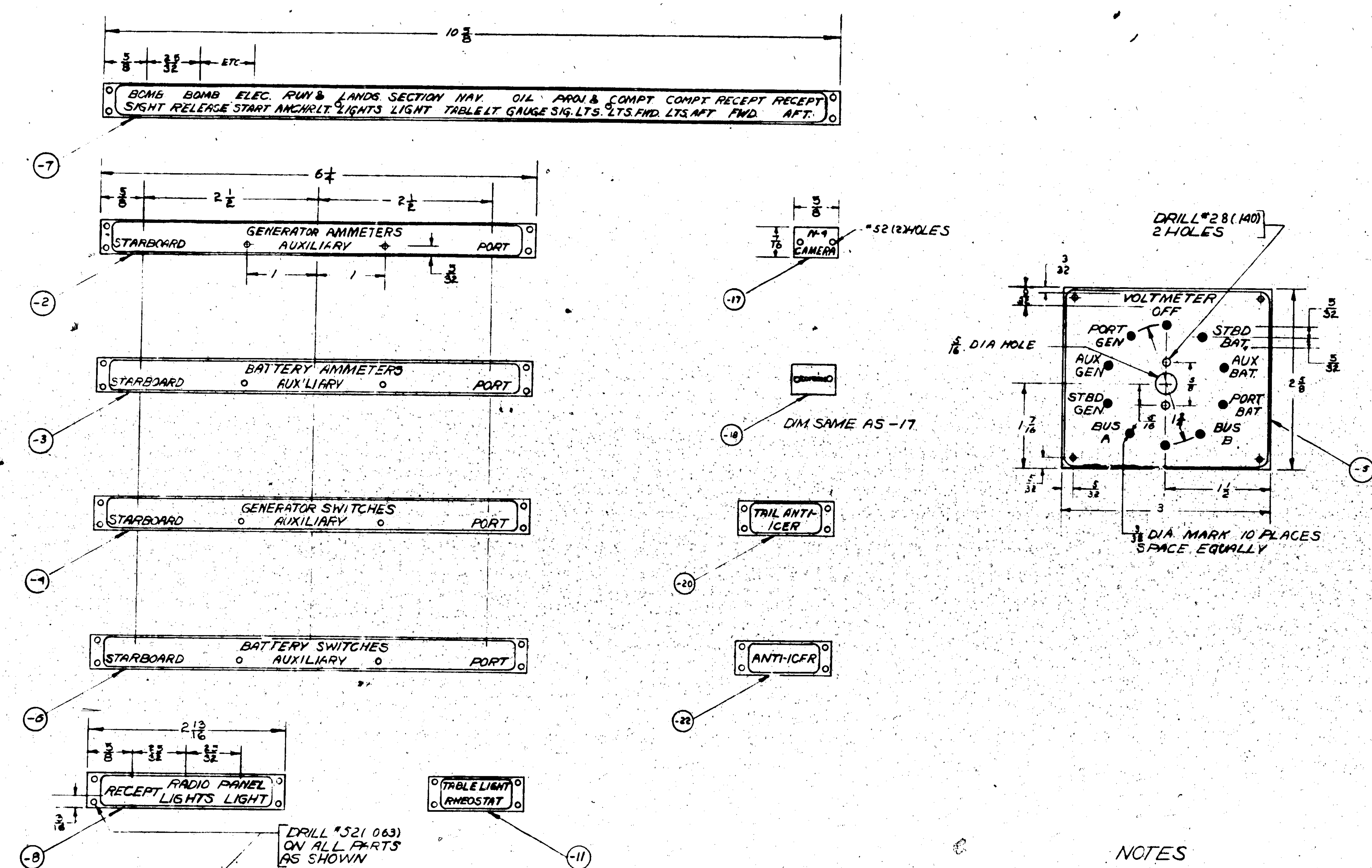
OPP HAND

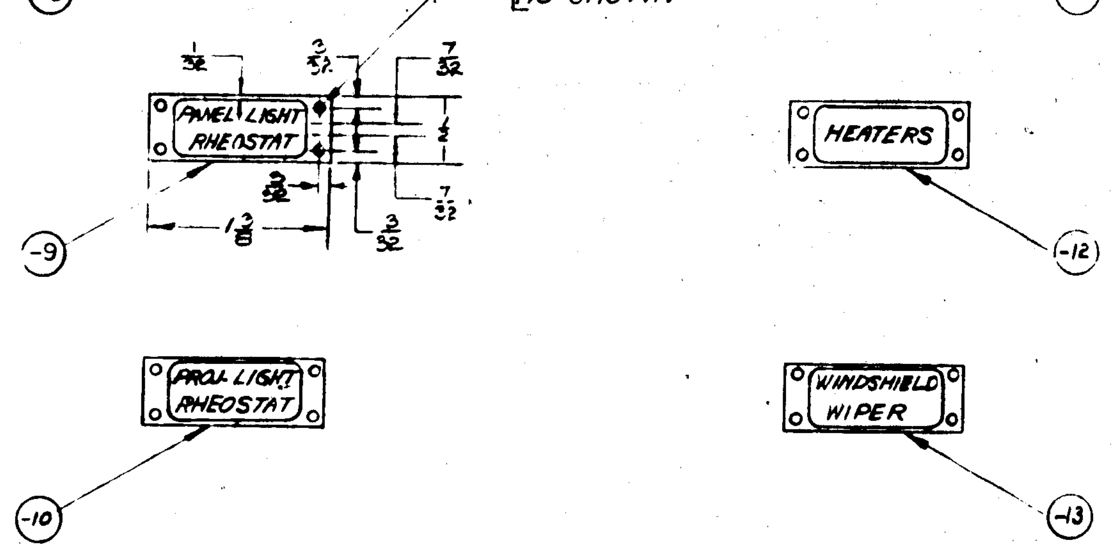
DWG SIZE G — 28P5529

R

APPROVED FOR TOOLING BY C.B. Humphrey 1-6-43

LET	ALTERATION	DATE	BY
H	TRACED		
J	ADDED -20 [illegible]	6-10-[illegible]	QUINN
K	ADDED -22 W/EQ. WT. CHG	6-10-[illegible]	QUINN





NOTES

LETTERING 1/8 HIGH.
LETTERING, EDGES, & MARKING RAISED & POLISHED; BACKGROUND ETCHED & FINISHED WITH DULL BLACK LACQUER.
DIMENSIONS OF -9 ARE TYPICAL EXCEPT AS OTHER WISE SHOWN.
-10, -11, -12, -13, -20, -22 SAME AS -9 EXCEPT FOR LETTERING.

SEE RELEASE SHTS:
-22 PBY-5A
-22 PBY-5
-20 PBY-5
-20 PBY-6
-18 PBY-5A
-18 PBY-5
-17 PBY-5A
-17 PBY-5

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-17	PBY-5A		
-17	PBY-5		
-13	PBY-5		
-12	PBY-5A		
-11	PBY-5		
-10	PBY-5		
-9	PBY-4,5&5A	28E4011	1
-8	PBY-4,5&5A		1
-7	PBY-4		1
-6	PBY-4,5&5A		1
-5	PBY-4,5&5A		1
-4	PBY-4,5&5A		1
-3	PBY-4		1
-2	PBY-4,5&5A	28E4011	1

REQUIREMENTS PER AIRPLANE

REPLACES Q3577 OF 1-12-28 — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-22	.080 × 5/8 × 1 1/2	RED FIBRE	COMM.
-20	.030 × 5/8 × 1 1/2	RED FIBRE	COMM.
-18	.020 × 9/16 × 3/4	AL. SHT.	47A2 H.H.
-17	.020 × 9/16 × 3/4	AL. SHT.	47A2 H.H.
-13	.020 × 5/8 × 1 1/2	AL. SHT.	47A2 H.H.
-12	.020 × 5/8 × 1 1/2	AL. SHT.	47A2 H.H.
-11	.020 × 5/8 × 1 1/2	AL. SHT.	47A2 H.H.
-10	.020 × 5/8 × 1 1/2	AL. SHT.	47A2 H.H.
-9	.020 × 5/8 × 1 1/2	AL. SHT.	47A2 H.H.
-8	.020 × 5/8 × 2 [illegible]	AL. SHT.	47A2 H.H.
-7	.020 × 5/8 × 10 3/4	AL. SHT.	47A2 H.H.
-6	.020 × 5/8 × 6 3/8	AL. SHT.	47A2 H.H.
-5	.020 × 2 3/4 × 3 1/8	AL. SHT.	47A2 H.H.
-4	.020 × 5/8 × 6 3/8	AL. SHT.	47A2 H.H.
-3	.020 × 5/8 × 6 3/8	AL. SHT.	47A2 H.H.
-2	.020 × 5/8 × 6 3/8	AL. SHT.	47A2 H.H.

PARTS LIST PER ASSY.

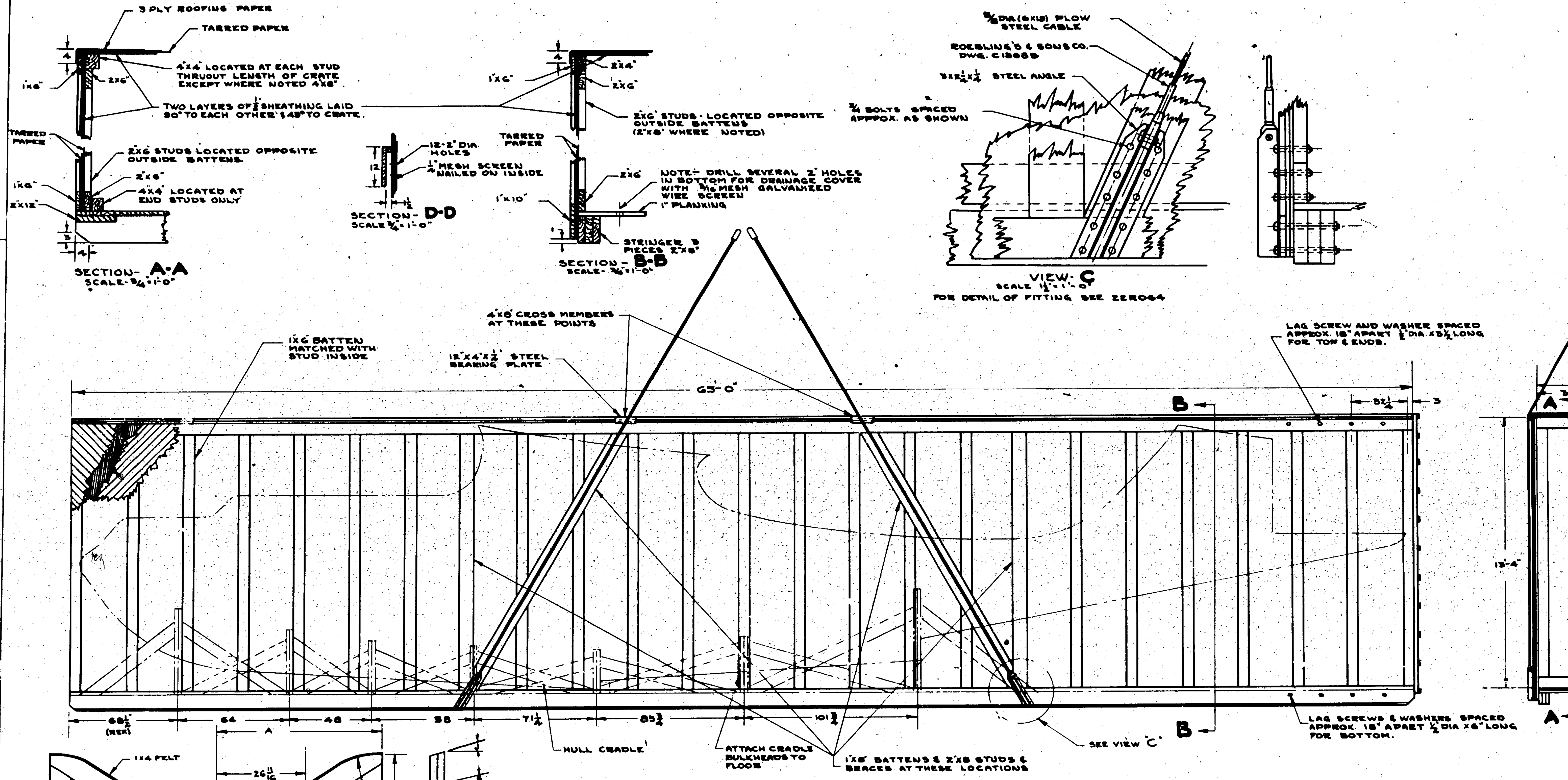
A C		1-12-38	1-13-38			6-10-38	
NAVY NONE	NOTED	J.A. PHILLIPS	McCabe	[illegible]	[illegible]	I.C.V.	R
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.

NAME NAMEPLATES - ELEC - DISTRIBUTION PANEL

OPP. HAND

DWG. SIZE G — Q3577

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



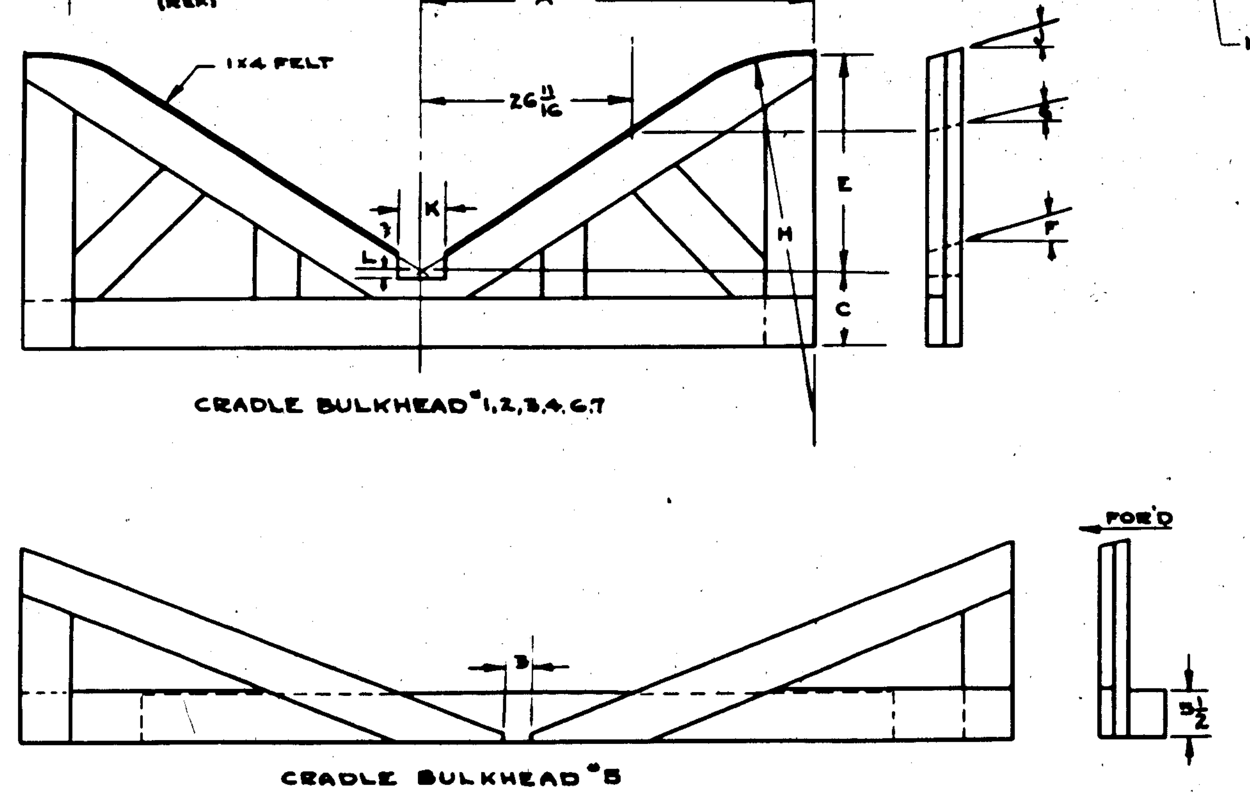


TABLE OF CRADLE BULKHEAD DIMENSIONS

	STATION NO.						
	1	2	3	4	5	6	7
A	47½	50[illegible]	61½	64½	61½	38[illegible]	49½
C	17[illegible]	10	7½	5	2	13[illegible]	30[illegible]
E	38[illegible]	26[illegible]	22[illegible]	21[illegible]	21[illegible]	17[illegible]	20½
F	12°	4½°	2½°	2½°	2¼°	4½°	9¼°
G	21°	8°	4°	2¼°	2¼°	4½°	9¼°
H	22[illegible]	41	40[illegible]	51[illegible]	51[illegible]	44½	—
J	13¼°	8½°	5½°	2½°	2¼°	4½°	9½°
K	6	3	3	3	3	—	16
L	3	1½	1½	1½	—	—	20

ESTIMATED SHIPPING WEIGHT IN LBS. (CALCULATED FOR PBY-5A)	18082
CUBIC CAPACITY CU.FT.	8850
SHEATHING BD. FT.	3190
FLOORING BD.FT.	999
2x6" STUDS BD.FT.	934
2x8" SKIDS & BRACES BD.FT.	1160
4x4" JOIST BD.FT.	430
2x4" TOP MEMBERS BD FT.	88
1"x6" BATTENS · BD.FT.	370
1X8 BATTENS BD.FT.	220
TOTAL LUMBER BD.FT.	9081
STEEL BEARING PLATES LBS.	13.6
TARRED PAPER SQ.FT.	3270
ROOFING PAPER SQ.FT.	730
HOISTING CABLE	2 REQ.

NOTE:-

LINING:- LINE INSIDE OF CRATE WITH TAR PAPER (EXCEPT BOTTOM) SEE NAVY SPEC. SE-3

PAINTING:- ALL EXTERIOR WOODEN SURFACES EXCEPT SKIDS, BOTTOM FLOORING, AND LUMBER USED FOR SECURING CONTENTS SHALL BE GIVEN ONE COAT OF NAVY GRAY ENAMEL OR PAINT EXCEPT WHERE COVERED WITH WATER PROOF PAPER AS SPECIFIED.

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
A	TRACED	[illegible]	[illegible]

PBY-5A
PBY-4
PBY-3
PBY-2
PBY-1

REPLACES — REPLACED BY — LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±

APPROVED — DATE — CALC.WT. — ACT.WT. — SCALE ⅜"=1'-0" & NOTED — AC — NAVY

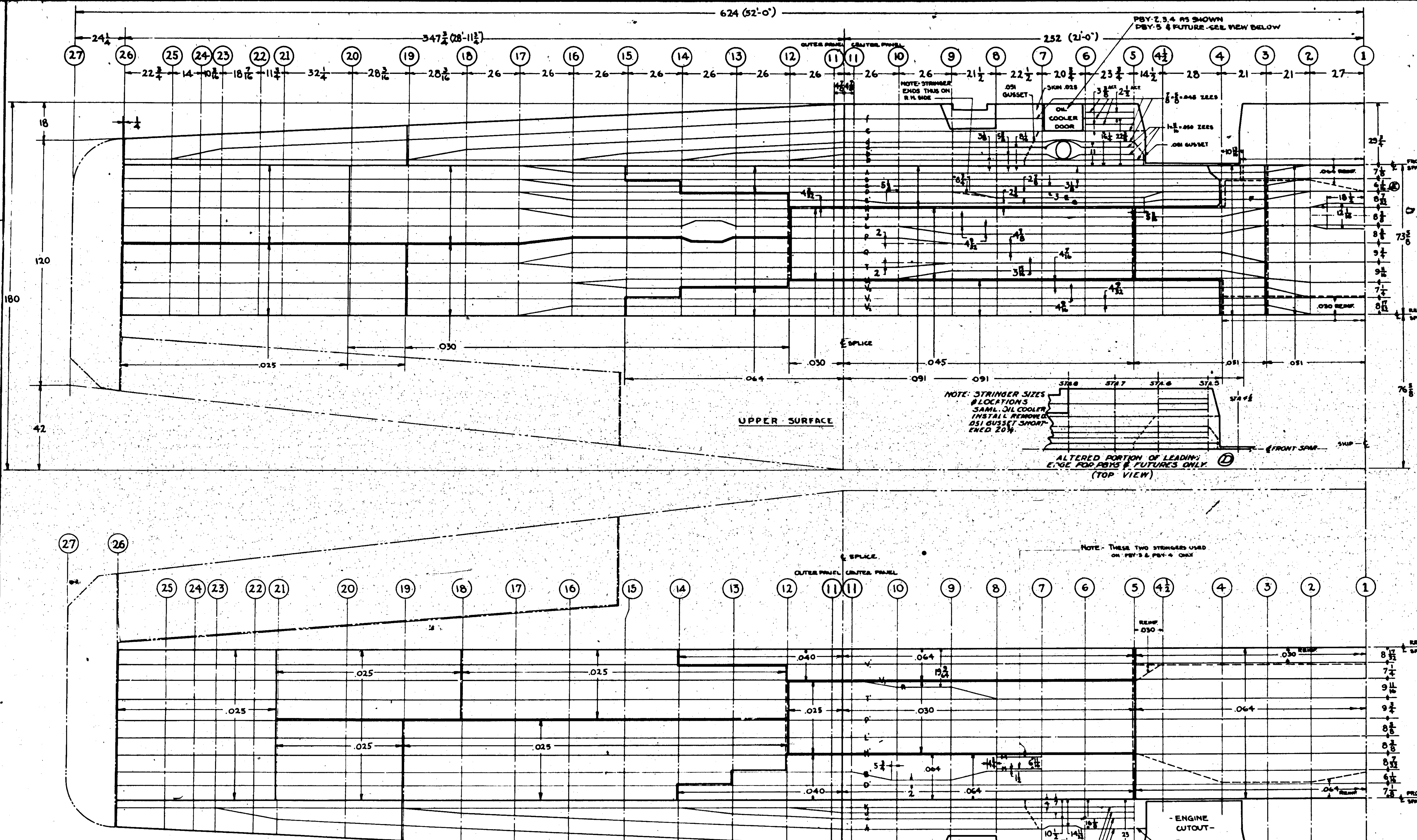
O.H. — MODEL — NEXT ASSY. — REQ. — ST'D PARTS — MAT. — REQUIREMENTS PER AIRPLANE — LH — RH — PART NO. — REQ. — PARTS LIST PER ASSY.

MATERIAL — SPEC. — HEAT TREAT — FINISH — DRAFT — CHECK — ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

NAME: CRATE-SHIPPING-HULL

G 28R1107



Root Ordinates

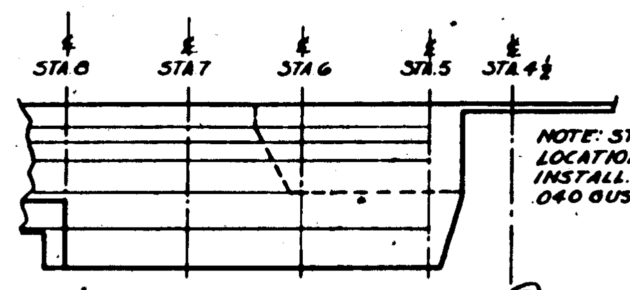
STA. %	STA. IN.	ORDINATE UPPER IN.	ORDINATE LOWER IN.
0	0	0	0
1.25	2.25	4.2552	- 3.8016
2.50	4.5	6.0696	- 4.7520
5	9	8.7048	- 5.8968
7.5	13.5	10.6704	- 6.5448
10	18	12.3336	- 6.9984
15	27	14.7312	- 7.4952
20	36	16.3080	- 7.8192
25	45	17.3016	- 8.0136
30	54	17.7552	- 8.1864
40	72	17.5392	- 8.2944
50	90	16.2864	- 7.9056
60	108	14.1696	- 7.0848
70	126	11.5384	- 5.8752
80	144	8.3376	- 4.3632
90	162	4.4900	- 2.4530
95	171	2.3200	- 1.3340
100	180	0	0

L.E. RAD. .021×180 = 3.78 ; T.E. RAD. = ⅛

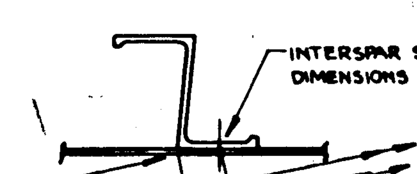
Theoretical Tip Ordinates

STA. %	STA. IN.	ORDINATE UPPER IN.	ORDINATE LOWER IN.
0	0	0	0
1.25	1.5	1.8912	- 1.6896
2.50	3.0	2.6976	- 2.1120
5.0	6	3.8688	- 2.6208
7.5	9	4.7424	- 2.9088
10	12	5.4816	- 3.1104
15	18	6.5472	- 3.3312
20	24	7.2480	- 3.4752
25	30	7.6896	- 3.5616
30	36	7.8912	- 3.6384
40	48	7.7952	- 3.6864
50	60	7.2384	- 3.5136
60	72	6.2976	- 3.1488
70	84	5.1264	- 2.6112
80	96	3.7056	- 1.9392
90	108	1.9840	- 1.0680
95	114	1.0510	- .580
100	120	0	0

L.E. RAD. .014×120 = 1.68 T.E. RAD. = ⅛



ALTERED PORTION OF LEADING EDGE FOR PBY-5 & FUTURES ONLY. (BOTTOM VIEW) (D)



AIRFOIL MODIFIED, NACA #21

ORDINATES AT ROOT (ACROSS CENTER SECTION) ARE INCREASED 20% FROM THE CHORD LINE.

ORDINATES AT THEORETICAL TIP (52 FT. FROM ¢ OF AIRPLANE) ARE DECREASED 20% FROM THE CHORD LINE.

THE UPPER ORDINATE AT 30% OF THE CHORD IS A STRAIGHT LINE ACROSS THE ¢ AIRPLANE IN TRUE PLAN & FRONT VIEW (ALONG CHORD) OF THE WING.

FOR ORDINATES THRU THE WING AT STATIONS ALONG THE SPAN REFER TO 28R100 ETC. REFER TO GRAPHS FOR ORDINATES ALONG SPAN.

ORDINATES VARY AS A STRAIGHT LINE FROM STA. 11 TO THEORETICAL TIP.

ORDINATES IN GENERAL ARE TO THE INSIDE OF THE SKIN. WHERE GAUGES VARY BETWEEN SPARS, BETWEEN STATIONS #4 & #15 UPPER SURFACE, & STATIONS #5 & #11 LOWER SURFACE, THE ORDINATE IS TAKEN TO THE INSIDE OF THE CENTER SKIN. THE OUTSIDE SURFACE IS KEPT SMOOTH. THIS MEANS THAT THE INSIDE OF THE SKIN NEXT TO THE SPAR IS INSIDE OF THIS ORDINATE CONTOUR BY THE DIFFERENCE OF THE GAUGES OF SKIN INVOLVED. THE ORDINATES OF LEADING EDGE & TRAILING EDGE NEAR THE SPAR ARE ALSO MODIFIED TO BRING THE OUTSIDE SURFACE FLUSH, OUTBOARD OF THESE TWO STATIONS, ON THE UPPER & LOWER SURFACES, THE DIFFERENCE IN GAUGES OF SHEET BEING SMALL, IS NEGLECTED.

NOTE:-
INTERSPAR STRINGERS:-
1½ × 13/16 × .062 EXTR. ZEE-LOWER STA. 1-14
1½ × 13/16 × .075 EXTR. ZEE-UPPER STA. 1-18
ALL OTHER INTERSPAR ZEES TO BE
1 × 11/16 × .050

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
C	TRACED UP TO DATE	2-11-38	[illegible]
D	LEADING EDGE ALTERED FOR PBY-5 & FUTURES ONLY	1-9-39	[illegible]
E	CORRECTED 6 1/16" WAS 6 5/16". 2¾" DIM. WAS TAKEN TO WRONG STA. 8 - STRS. G & H	2-[illegible]	[illegible]

PBY-5B
PBY-5A
PBY-5
PBY-4
PBY-3
PBY-2

MODEL | NEXT ASSY. | REQ. | STD PARTS | PART NO. | REQUIREMENTS PER AIRPLANE | PARTS LIST PER ASSY.

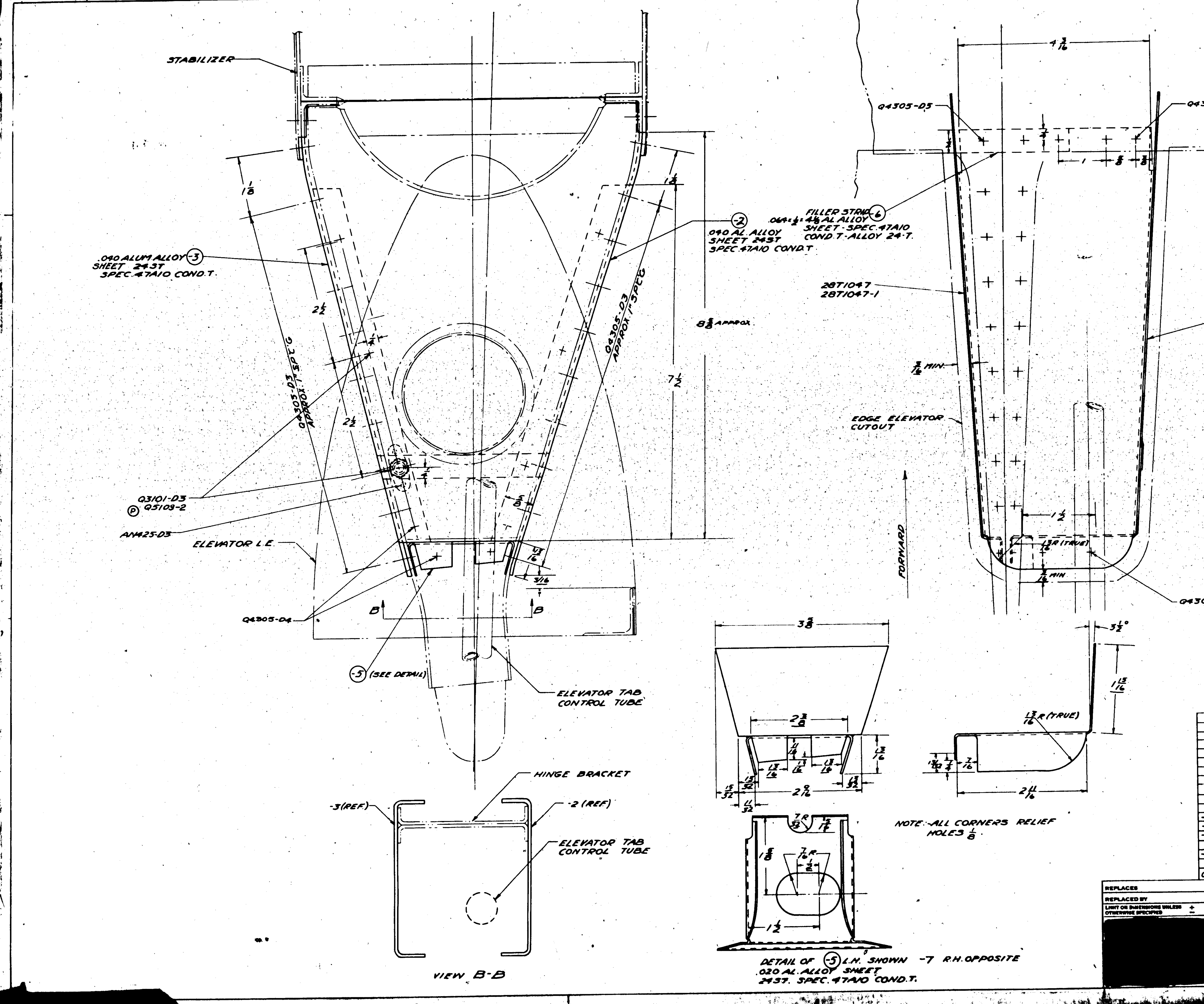
SCALE ¼" = 1'-0", ½" = 1'-0"

MATERIAL | SPEC. | HEAT TREAT | FINISH

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: WING - BULKHEAD & STRINGER LOCATION

G 28R2102



SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
N	TRACED UP TO DATE	5-18-37	H.W.
P	Q5103-2 WAS Q5498-1 (BOEING) K8-5808A	11-12-41	B.

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE:-
ALL BEND RADII $\frac{1}{16}$ IN.
-2 L.H. TOP, R.H. BOTTOM:
-3 L.H. BOTTOM, R.H. TOP

O.H	MODEL	NEXT ASSY.	REQ
-R	PBY-5B	28T2029	1
-L	PBY-5B	28T2029	1
-1	OA-10	28T2029	
	OA-10	28T2029	
-1	28-5AMC	28T2029	
	28-5AMC	28T2029	

O.H.	MODEL	NEXT ASSY.	REQ.	PARTS	PARTS LIST PER ASSY.
-1	28-5MN	28T2029			
	28-5MN	28T2029			
-1	28-5MC	28T2029		28T1047-1	1 1 1
	28-5MC	28T2029		28T1047	1 1 1
-1	28-5MA	28T2029		28T1046	1 1 1 1 1 1
	28-5MA	28T2029			
-1	28-5ME	28T2029		-7	1 1 1
	28-5ME	28T2029		-6	2 2 2 2 2 2
-1	PBY-5A	28T2029	1	-5	1 1 1
	PBY-5A	28T2029	1		
-1	PBY-5	28T2029		28T1045-3	1 1 1 1 1 1
	PBY-5	28T2029		28T1045-2	1 1 1 1 1 1
-1	PBY-4	28T2029			
	PBY-4	28T2029			
-1	PBY-3	28T2029		AN425-D3	24 24 24 24 24 24
	PBY-3	28T2029		Q5103-2	12 12 12 12 12 12
-1	PBY-2	28T2029		Q3101-D3	12 12 12 12 12 12
	PBY-2	28T2029		Q4305-D4	10 10 10 10 10 10
-1	PBY-1	28T1003		Q4305-D5	10 10 10 10 10 10
	PBY-1	28T1003		Q4305-D3	76 76 76 76 76 76

REPLACES		APPROVED R.P.W.	DATE 5-18-37
REPLACED BY		CALC. WT. .75	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	+ −	SCALE	REQUIREMENTS PER AIRPLANE
		AC	
		NAVY NOTED	

MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.
NOTED	NOTED	NOTED	Z-P-2	7-3-36	GERBER 6-4-37	MILLER

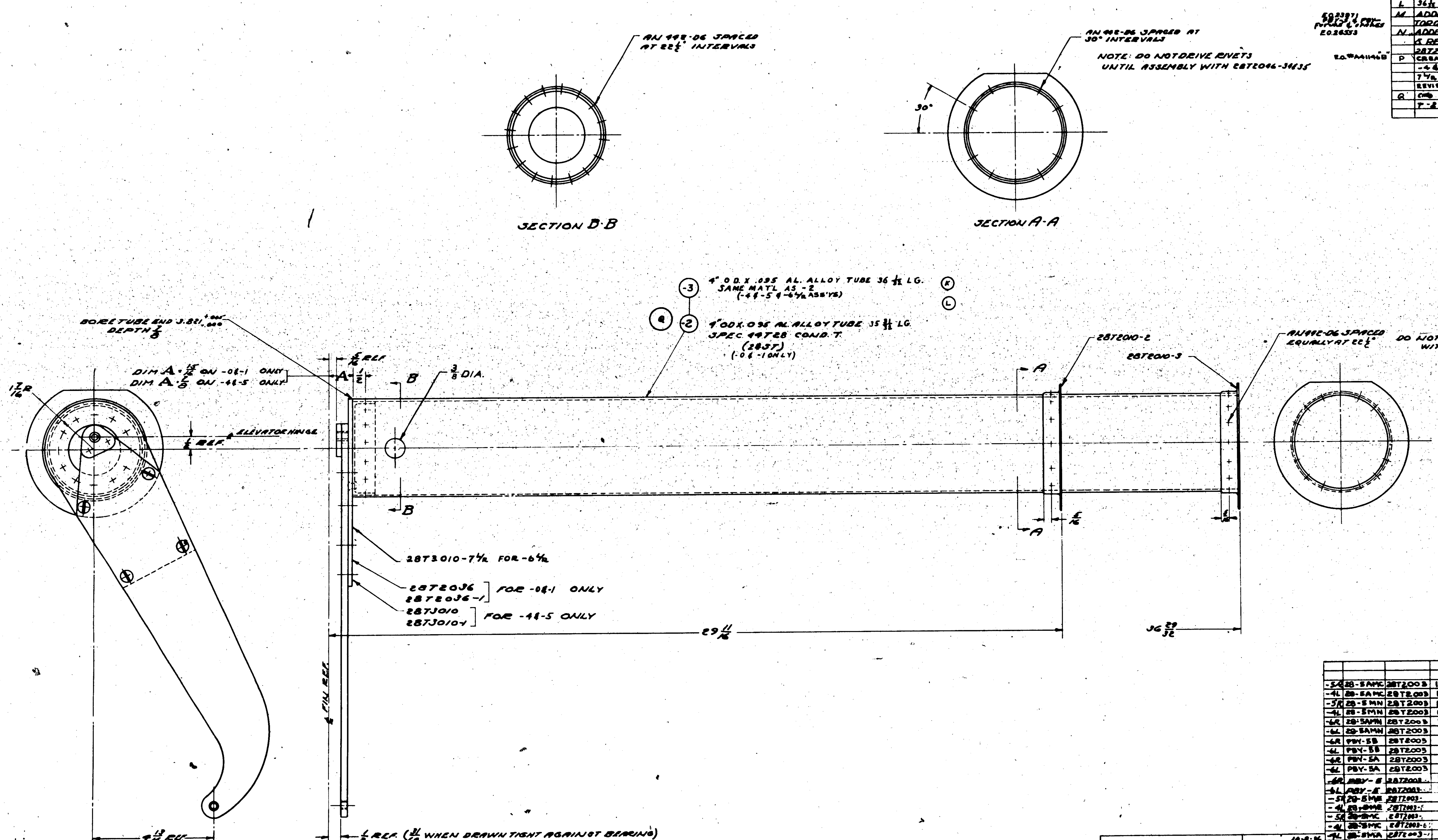
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

NAME: INSTALL - FAIRING - ELEV. HINGE CUTOUT - ELEV.

OPP. HAND 28T1045-1

G 28T1045



SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
I	TRACED	9-9-31	[illegible]
J	REMOVED 28T2009 AND	11-17-31	[illegible]
	12 AN442-08 RIVS		
K	ADDED -4&-5 ASS'YS FOR	8-22-38	[illegible]
	PBY-3 & -4. ADDED -3 AS		
	TORQUE TUBE NO FOR -4&-5		
	ASSYS.		
L	36 1/32 WAS 35 31/32, 35 31/32 WAS 35 5/8	9-6-38	[illegible]
M	ADDED 3/8 HOLE IN BOTTOM OF	[illegible]	[illegible]
	TORQUE TUBE	"	"
N	ADDED PBY-5 REQUIREMENTS	"	"
	& REMOVED ONE LISTING OF	"	"
	28T2010-3 FROM B/M	"	"
P	CREATED -6½R ASS'Y, SAME AS		
	-4&-5 ASS'YS. EXCEPT 28T3010-		
	7½R WAS 28T3010 & 28T3010-1.		
	REVISED B/M NEG. WT. CHG.	7-1-42	[illegible]
Q	CHG MAT. REF. TO SPEC. 44T28 COND. T-24ST (WAS SPEC. 44T21-17ST)	9-30-42	[illegible]

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY.	REQ.
-5R	28-5AMC	28T2003	1
-4L	28-5AMC	28T2003	1
-5R	28-5MN	28T2003	1
-4L	28-5MN	28T2003	1
-6R	28-5AMN	28T2003	1
-6L	28-5AMN	28T2003	1
-6R	PBY-5B	28T2003	1
-6L	PBY-5B	28T2003	1
-6R	PBY-5A	28T2003	1
-6L	PBY-5A	28T2003	1
-6R	PBY-5	28T2003	1
-6L	PBY-5	28T2003	1
-5R	28-5ME	28T2003	1
-4L	28-5ME	28T2003	1
-5R	28-5MC	28T2003	1
-4L	28-5MC	28T2003	1
-4L	28-5MA	28T2003	1
-5R	28-5MA	28T2003	1

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.
			28T3010-7½R
			28T2013-3
			28T2010-3
			28T2010-2
AN442-06	44	44	
			28T3010-1
			28T3010
			28T2013-3
			28T2036-1
			28T2036
			28T2010-3
			28T2010-2
			28T2013-2
AN442-06	44	44	

PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.01 & ½°

APPROVED 10-8-36 DATE
CALC. WT. 6.51 [illegible] ACT. WT.
SCALE 6" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NOTED	NOTED	NONE	-Z Z-P ASSEM. [illegible]

DRAFT W.W.L. 9-8-36 | CHECK | EXAM.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: TUBE - ELEVATOR TORQUE ASSEM.

OPP. HAND

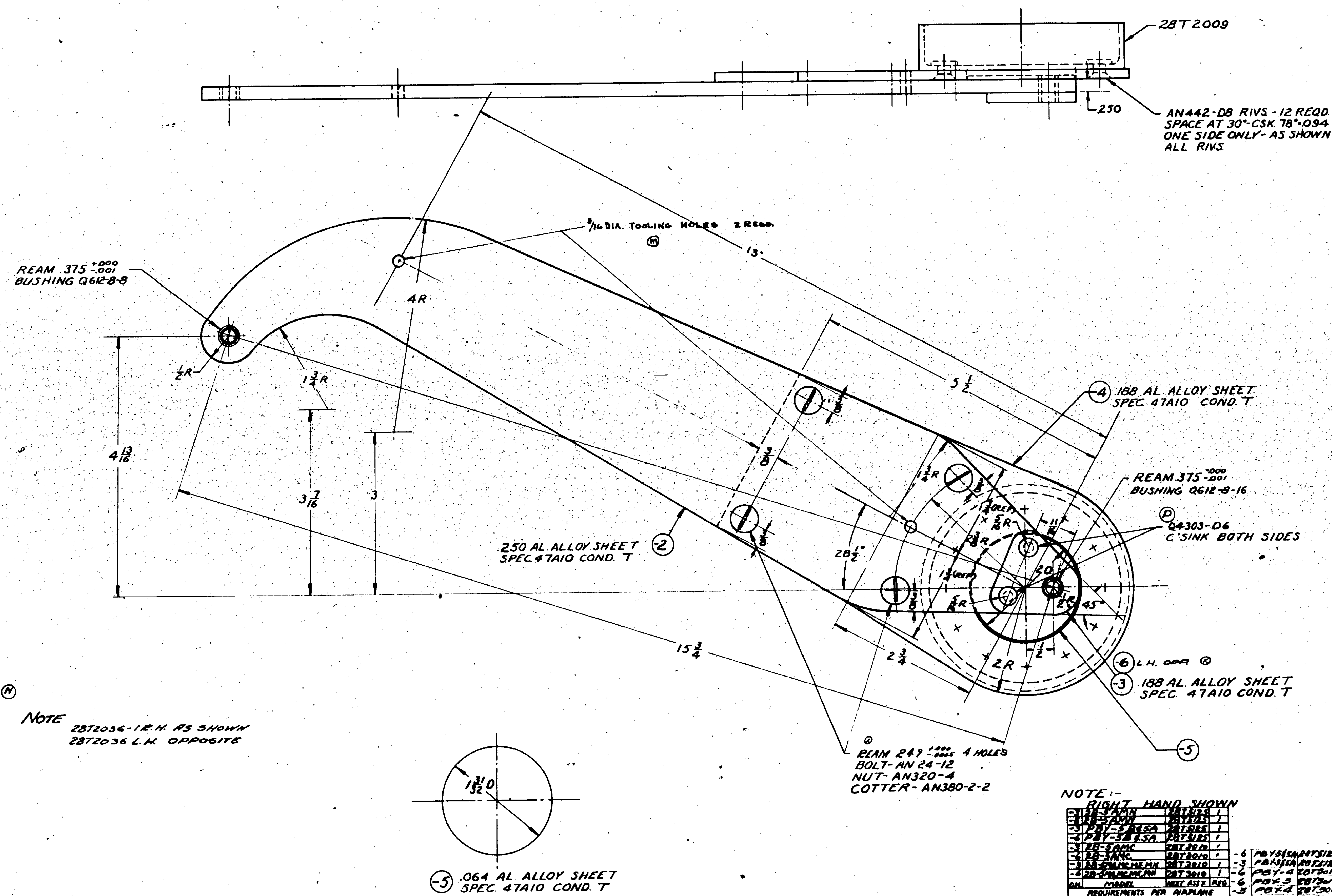
G 28T2013

LET	ALTERATION	DATE	BY
J	TRACED UP TO DATE	12-3-37	[illegible]
K	ADDED -6, OPP HAND OF -5	6-1938	[illegible]
L	ADDED REAM NOTE	1-8-40	[illegible]
M	ADDED TOOLING HOLES TO FACE OF DWG	5-1-41	[illegible]
N	NOTE ADDED	7-11-41	HOLL[illegible]
P	Q4303-D6 WAS AN425-D6 NO WT CHG	3-1-42	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION

E.O. [illegible] (PBY-5 [illegible])

E.O. # A71535



(N)

NOTE 28T2036-1 R.H. AS SHOWN
28T2036 L.H. OPPOSITE

NOTE:-
RIGHT HAND SHOWN

BREAK ALL EDGES 1/64 RADIUS

	FINISH CODE
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

SP - SEEN PRIME

O.H.	MODEL	NEXT ASSY.	REQ
-3	28-5AMN	28T5125	1
-6	28-5AMN	28T5125	1
-3	PBY-5 [illegible] ESA	28T5125	1
-6	PBY-5 [illegible] ESA	28T5125	1
-3	28-5AMC	28T3010	1
-6	28-5AMC	28T3010	1
-3	28-5MA,MC,ME,MN	28T3010	1
-6	28-5MA,MC,ME,MN	28T3010	1
-6	PBY-5 & 5A	28T5125	1
-3	PBY-5 & 5A	28T5125	1
-6	PBY-4	28T3010	
-6	PBY-3	28T3010	
-3	PBY-4	28T3010	
-5	PBY-3	28T3010	
-1	PBY-2	28T2013	
	PBY-2	28T2013	

REQUIREMENTS PER AIRPLANE

STD PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
			28T2009	1	1
			Q612-8-16	1	1
			Q612-8-8	1	1
AN442-D8	12	12	-6	1	
AN380-2-2	4	4	28T2036 - 5	1	1
AN320-4	4	4	-4	1	1
AN24-12	4	4	-3		1
Q4303-D6	2	2	28T2036 - 2	1	1

MAT. — PARTS LIST PER ASSY.

REPLACES

REPLACED BY

± .015 LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED

APPROVED L — DATE 10-8-36

CALC. WT. 1.62 / 2.4 — ACT. WT.

SCALE 12" = 1'-0"

AC

NAVY NOTED — MATERIAL

NOTED — SPEC.

NONE — HEAT TREAT

Z-P-[illegible] — FINISH

DRAFT J.W.L. 8-31-36 — CHECK T.P.H. — EXAM. MILLER

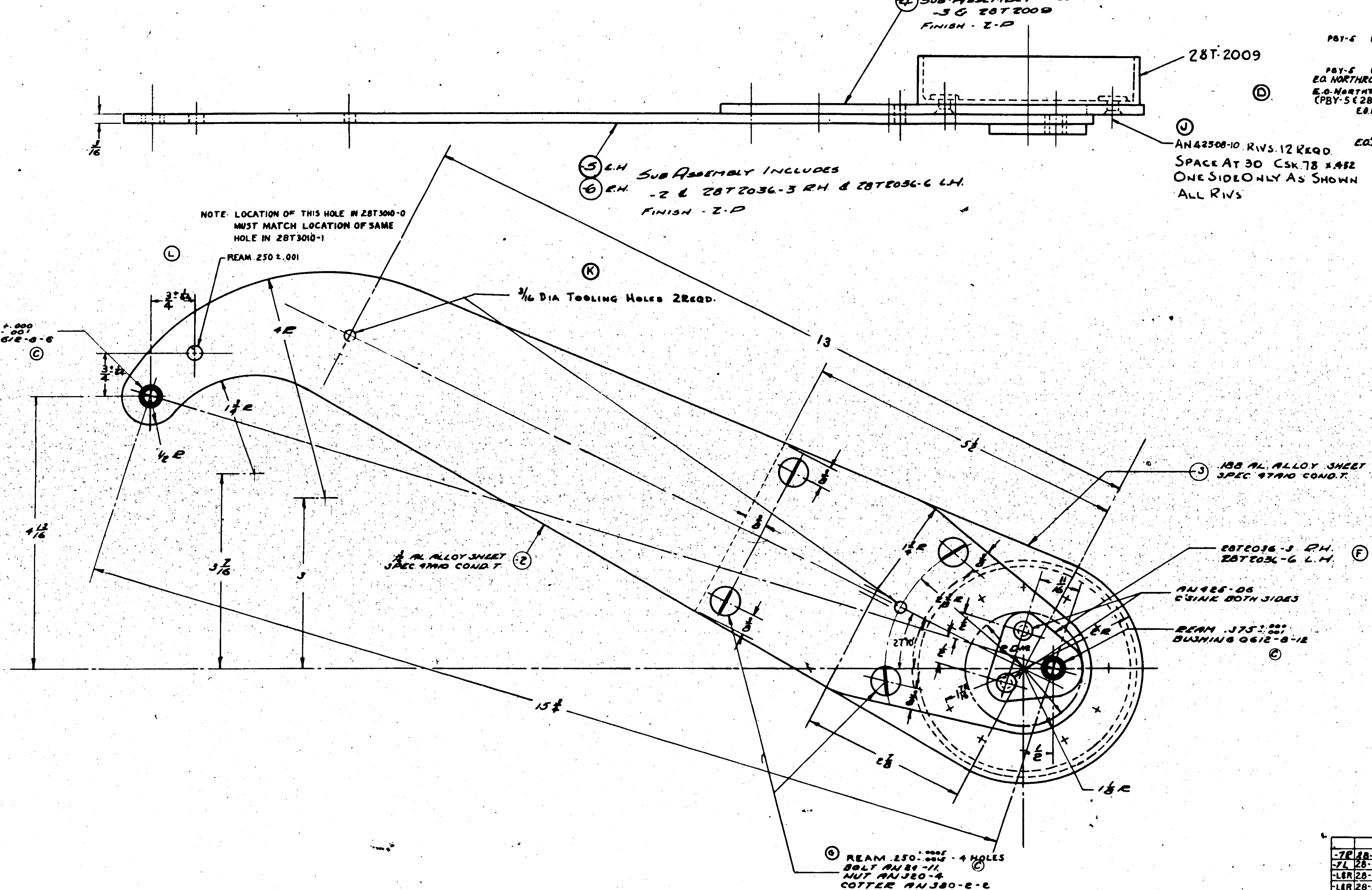
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

STAMP PT. NO. WHERE SHOWN

NAME HORN ELEVATOR

OPP. HAND 28T2036

DWG SIZE G 28T2036



LET	ALTERATION	DATE	BY
B	TRACED	9-19-37	[illegible]
C	CHANGED Q612-8-8 TO Q612-8-6; Q612-8-14 TO Q612-8-12, AND AN24-12 TO AN24-11.	11-9-37	[illegible]
D	ADDED 28T2009 & 12-AN442-D3	11-19-37	[illegible]
E	ADDED -4, -5 & -6 SUB ASS'YS.	[illegible]	SIREN
F	ADDED 28T2036-6	6-19-39	[illegible]
G	CHANGED DRILL NOTE TO REAM .250 WAS DRILL 1/4. ADDED PBY-5 REQ'M'TS (PBY-5 E.O. 26553)	11-8-40	SINGER
H	ADDED NOTE TO DWG (PBY-5 E.O. 28982)	11-8-40	SINGER
J	AN425-D8-10 RIVET (12) WAS AN442-D8 RIVET (E.O. NORTHROP 1719)	11-13-40	CHURCHILL
K	ADDED TOOLING HOLES TO FACE OF DWG. (E.O. NORTHROP 23305 (PBY-5 (28ME(F))	5-1-41	[illegible]
L	ADDED HOLE, DIM'S 3/4 ± 3/4 & NOTES: "LOCATION ... HOLE IN 28T3010-1", REAM .250 ± .001". NEG WT. CHG. (E.O. A18089C)	4-15-42	[illegible]
M	ADDED -7 ASSY. - NO WT. CHG (E.O. 2411398)	7-1-42	HINES
N	IN B/M - 7 ASS'Y REMOVED Q612-8-12 (1/R) & Q612-8-6 (1/R) NO WT. CHG	9-2-43	[illegible]

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

NOTE - BREAK ALL EDGES 1/64 RADIUS

28T3010-1(1) R.H. AS SHOWN

Ⓗ 28T3010(1) L.H. OPPOSITE

O.H.	MODEL	NEXT ASSY	REQ.
-7R	28-5AMN	28T2013	1 EA
-7L	28-5AMN	28T2013	1 EA.
-L&R	28-5AMC	28T2013	1 EA
-L&R	28-5MN	28T2013	1 EA.
-L&R	28-5ME	28T2013	1 EA.
-L&R	28-5MA	28T2013	1 EA.
-L&R	28-5MC	28T2013	1 EA.
[illegible]	PBY-5B	28T2013	1 EA.
[illegible]	PBY-5A	28T2013	1 EA
-7R	PBY-5	28T2013	1
-7L	PBY-5	28T2013	1
-1	PBY-4	28T2013-1	
	PBY-4	28T2013	
-1	PBY-3	28T2013-1	
	PBY-3	28T2013	

REQUIREMENTS PER AIRPLANE

STD PARTS: AN425-D8-10; AN380-2-2 (4, 4); AN320-4 (4, 4); AN24-11 (4, 4); AN425-06

PARTS LIST PER ASSY: 28T2036-3 1; -2 1; -6 SUBASSY; 28T2036-6 1; -2 1; -5 SUBASSY; 28T2009 1; -3 1; -4 SUBASSY; Q612-8-12 1 1; Q612-8-6 1 1; -6 1; -5 1; -4 1 1 1 1

REPLACES 28T2036 FOR PBY-3 ONLY

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015

APPROVED [illegible] DATE 9-19-37

CALC. WT. 1.76 ACT WT

SCALE 12" = 1'-0"

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NONE	2GP

DRAFT [illegible] 1-25-37 CHECK EXAM [illegible] ENG.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

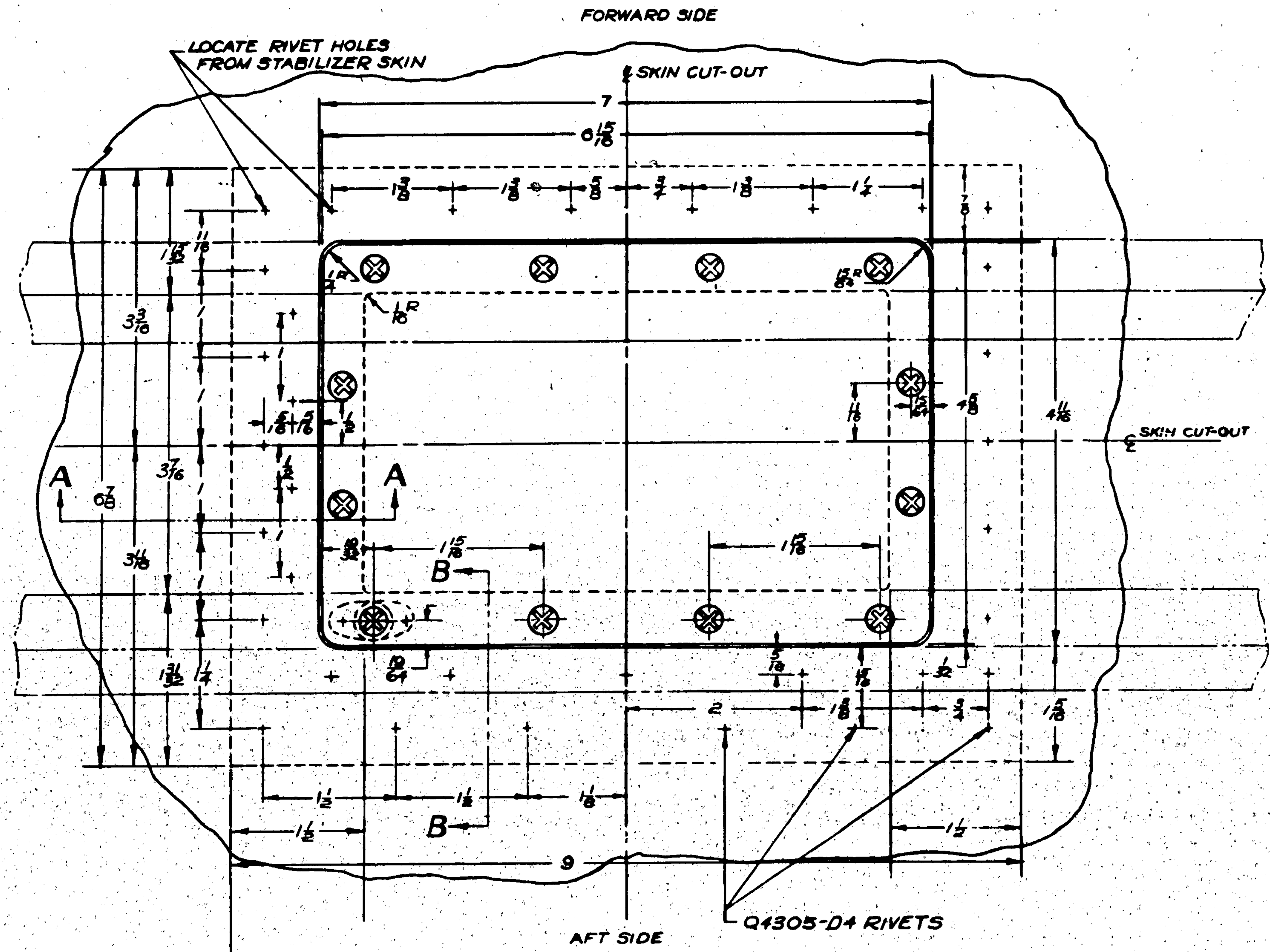
NAME HORN-ELEVATOR

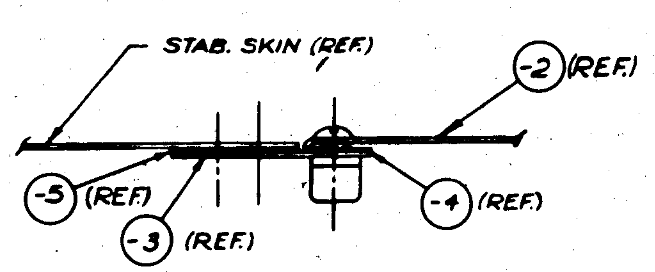
OPP HAND 28T3010-1

DWG SIZE G 28T3010

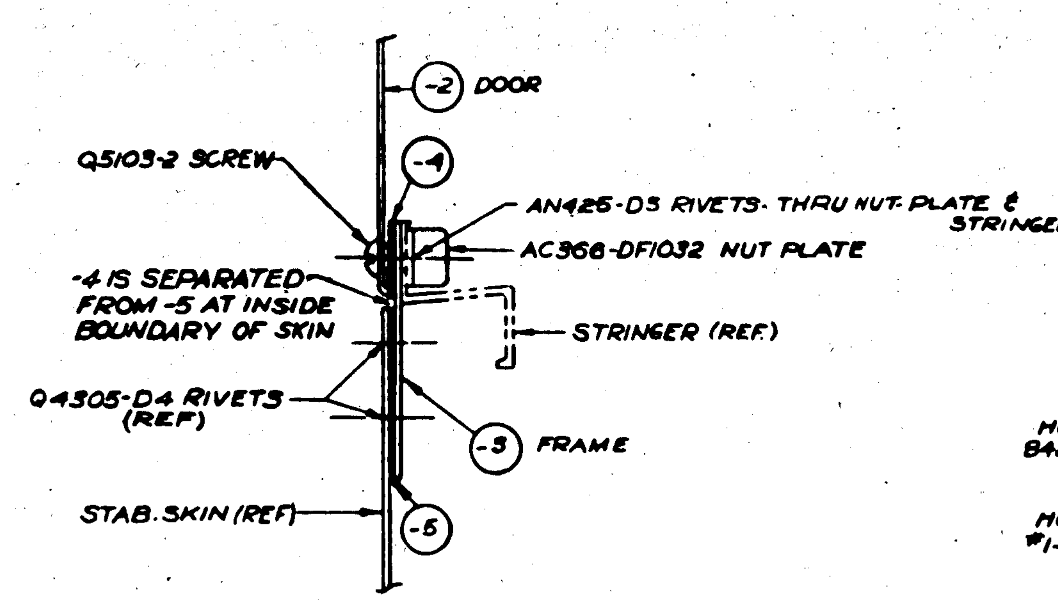
28T3010 R

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				G	TRACED NO WT. CHG.	[illegible]	[illegible]
				H	Q5103-2 (12) WAS 1 Q648-2 (10) & AC366DF1032 (12) WAS (10)	[illegible]	[illegible]





SECTION A-A



SECTION B-B

NOTES:-

1. HOLES IN SKIN & FRAME TO BE IN EXACT ALIGNMENT WITH EACH OTHER.
2. HOLES IN DOOR & FRAME TO BE IN EXACT ALIGNMENT WITH EACH OTHER.
3. CEMENT DUPRENE BETWEEN FRAME & SKIN.
4. RIVET DIM'S. SHOWN ARE APPROXIMATE.

	MODEL	NEXT ASSY.	REQ.
HULL 842 & ON	28-5AMN	28T2029	4
	PBY-5B	28T2029	4
	PBY-5&5A	28T2029	4 EA
HULL #1-841	285AMN	28T2029	2
	PBY-5B	28T2029	2
	28-AMC	28T2029	2
	28-5ME & MN	28T2029	2 EA
	28-5MA & MC	28T2029	2 EA
	PBY-5	28T2029	
	PBY-4	28T2029	
	PBY-3	28T2029	

REQUIREMENTS PER AIRPLANE

REPLACES 28T3015 OF 4-4-38 — .47 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
Q4305-D4				12
AN425-D3				12
Q5103-2				12
AC366DF1032				12
-5	1/32 x 7 x 9 1/8	DUPRENE		1
-4	1/32 x 4 1/8 x 7 1/8	DUPRENE		1
-3	.040 x 7 x 9 1/8	AL ALLOY	47A10-T	1
-2	.040 x 4 1/8 x 7 1/8	AL ALLOY	47A10-T	1

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

A C		12-9-37						
NAVY	Z-P-26P	ROBEN				L.C.W.		
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV.	ENG	

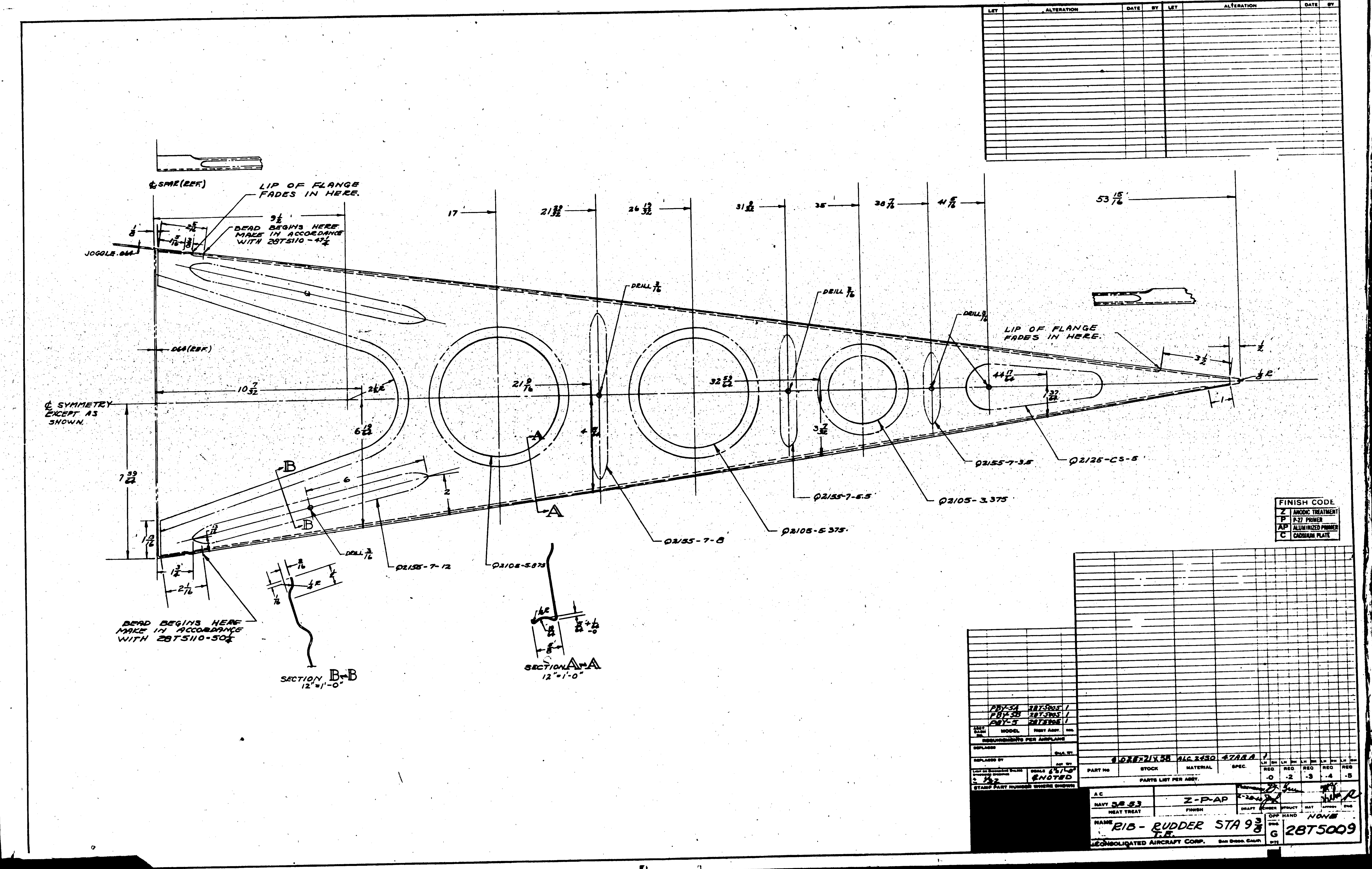
NAME INSTALLATION-INSPECTION DOOR-STABILIZER

OPP. HAND —

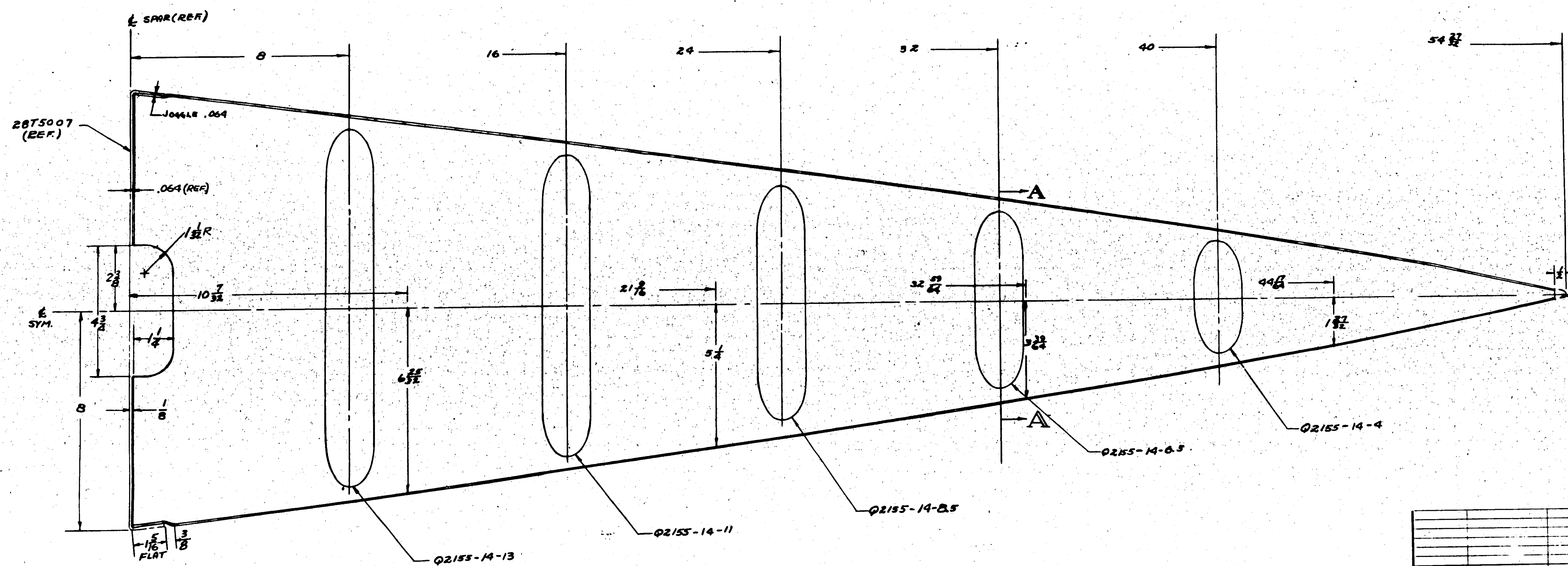
DWG. SIZE G — 28T3015

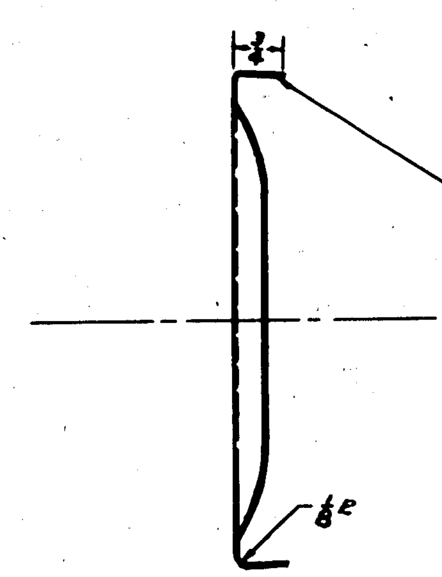
CONSOLIDATED AIRCRAFT CORP., SAN DIEGO, CALIF.

R 28T3015



LIP OF FLANGE FADES IN HERE.
BEAD BEGINS HERE. MAKE IN ACCORDANCE WITH 28T5110-47¼
JOGGLE .064
.064 (REF.)
℄ SYMMETRY EXCEPT AS SHOWN.
DRILL 3/16
LIP OF FLANGE FADES IN HERE.
BEAD BEGINS HERE MAKE IN ACCORDANCE WITH 28T5110-50¼
Ø2155-7-12
Ø2105-5.875
Ø2155-7-8
Ø2105-5.375
Ø2155-7-5.5
Ø2105-3.375
Ø2155-7-3.5
Ø2125-CS-5
SECTION B-B 12"=1'-0"
SECTION A-A 12"=1'-0"
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
LET ALTERATION DATE BY
PBY-5A 28T5005 1
PBY-5B 28T5005 1
PBY-5 28T5005 1
MODEL
REQUIREMENTS PER AIRPLANE
REPLACED BY
SCALE 6"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN
.032×2¼×58 ALC 2430 47ABA 1
PART No STOCK MATERIAL SPEC.
PARTS LIST PER ASSY.
NAVY 35-53
HEAT TREAT
Z-P-AP
FINISH
OPP HAND NONE
RIB - RUDDER STA 9⅜ T.E.
G 28T5009
CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.





SECTION A–A

FLANGE ANGLE DETERMINED FROM LOFT.

NOTE: BEADS TO BE IN SAME DIRECTION AS RIB FLANGES.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

ASSY. DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5B	28T5005	1
	PBY-5A	28T5005	1
	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACED — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.040X22X59	ALC. 2450	47A8A	1				

PARTS LIST PER ASSY.

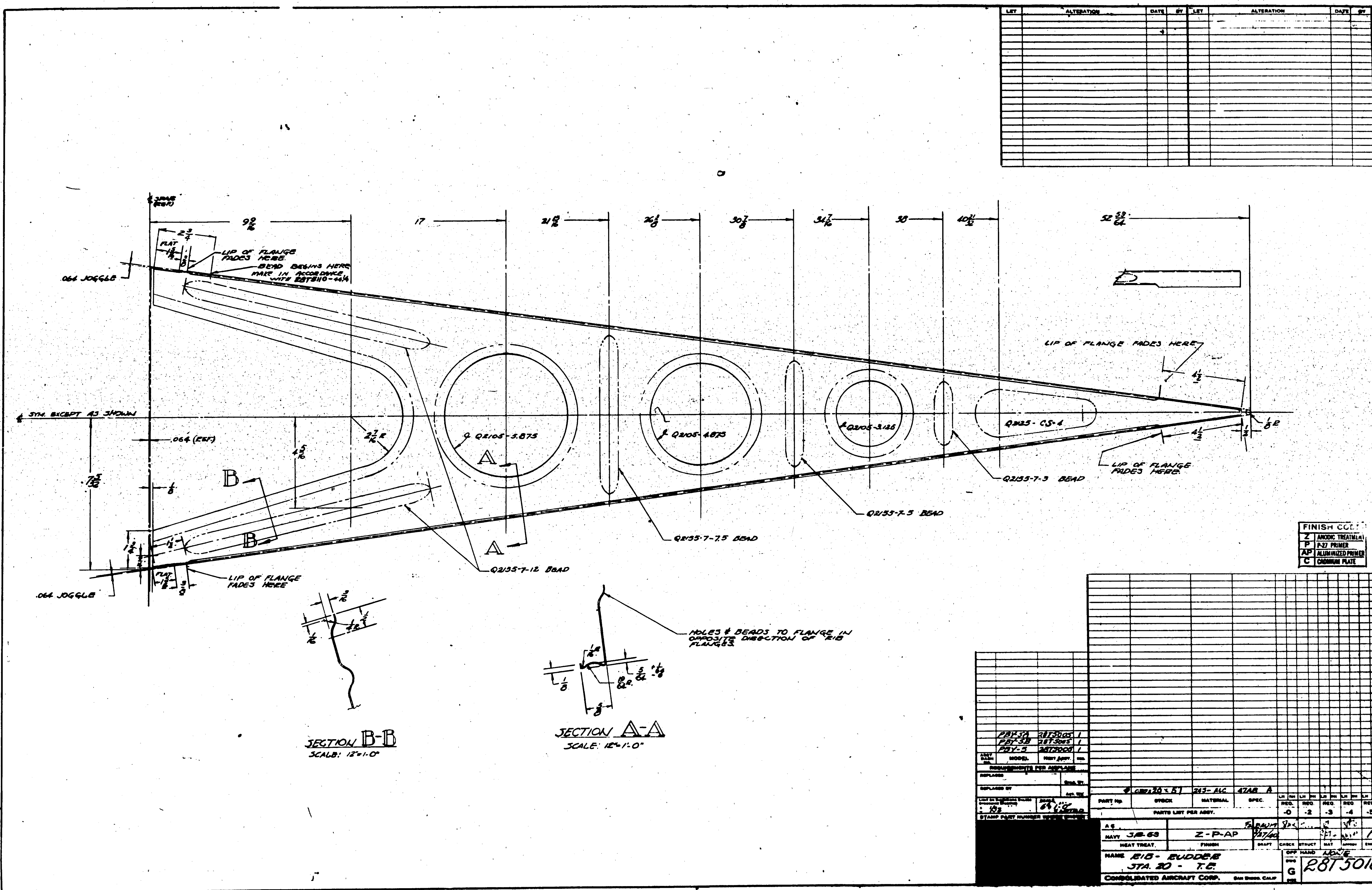
A C		DRAFT	CHECK	STRUCT	MAT.	APPROV	ENG
NAVY SR 53	Z-P-AP	2-27-40					
HEAT TREAT	FINISH						

NAME RIB - RUDDER STA 13/16 - T.E.

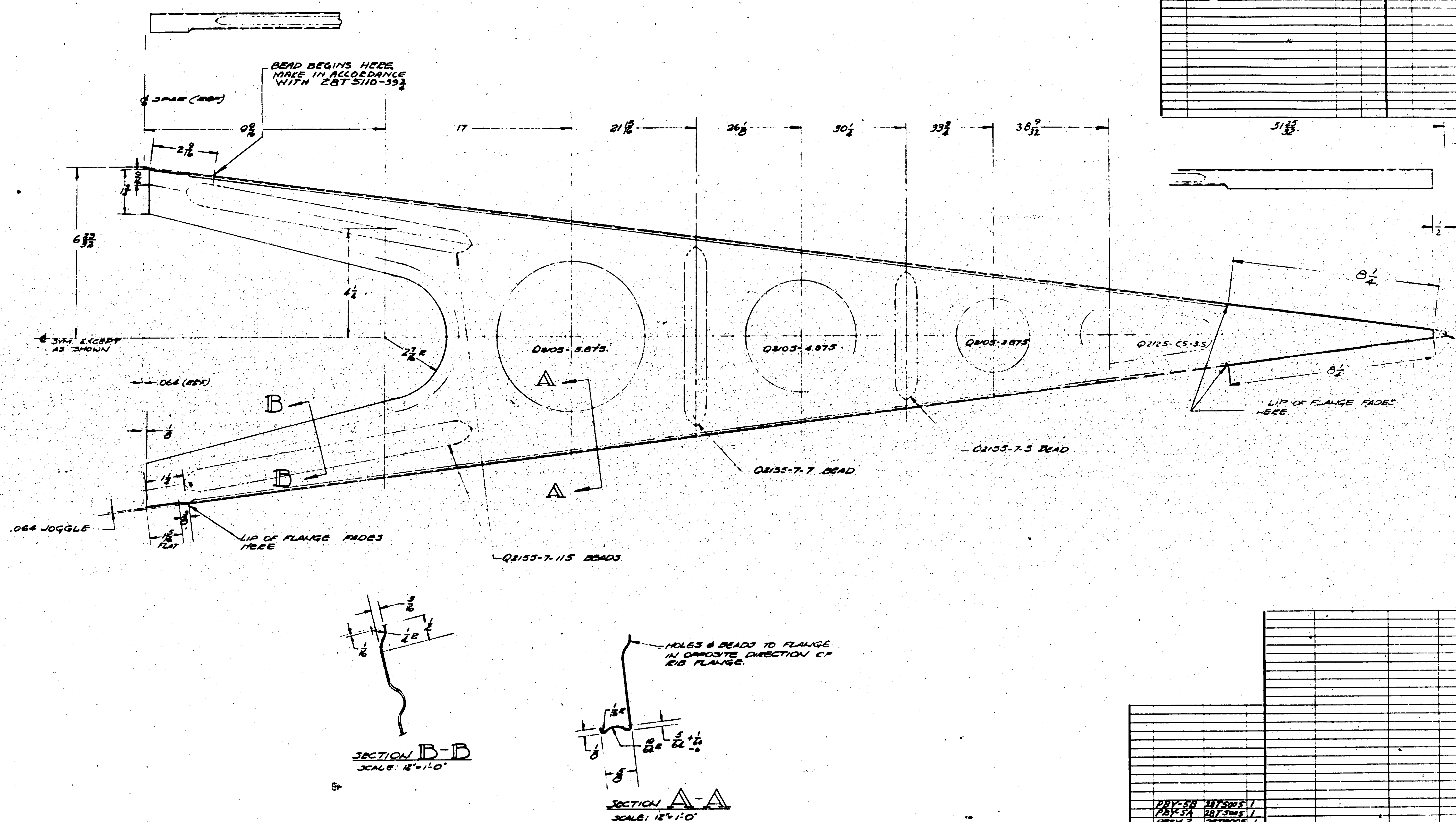
OPP HAND NONE

DWG. SIZE G — 28T5008

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



.064 JOGGLE
LIP OF FLANGE FADES HERE.
BEAD BEGINS HERE MAKE IN ACCORDANCE WITH 28T5110-44/4
SYM. EXCEPT AS SHOWN
.064 (REF)
Q2105-5.875
Q2105-4.875
Q2105-3.125
Q2125-CS-1
LIP OF FLANGE FADES HERE
Q2155-7-3 BEAD
Q2155-7-5 BEAD
Q2155-7-7.5 BEAD
Q2155-7-12 BEAD
HOLES & BEADS TO FLANGE IN OPPOSITE DIRECTION OF RIB FLANGES.
SECTION B-B
SCALE: 12"=1-0"
SECTION A-A
SCALE: 12"=1'-0"
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5A 28T5005
PBY-5B 28T5005
PBY-5 28T5005
REQUIREMENTS FOR AIRPLANE
PARTS LIST PER ASSY.
24S-ALC
Z-P-AP
NAME RIB - RUDDER STA. 20 - T.E.
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
G
28T5010



LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28T5005	1
	PBY-5A	28T5005	1
	PBY×2	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

Limit on Dimensions Unless Otherwise Specified: ± 1/32 — SCALE: 6"=1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.025×19×56	24S-ALC	4718 A					

PARTS LIST PER ASSY.

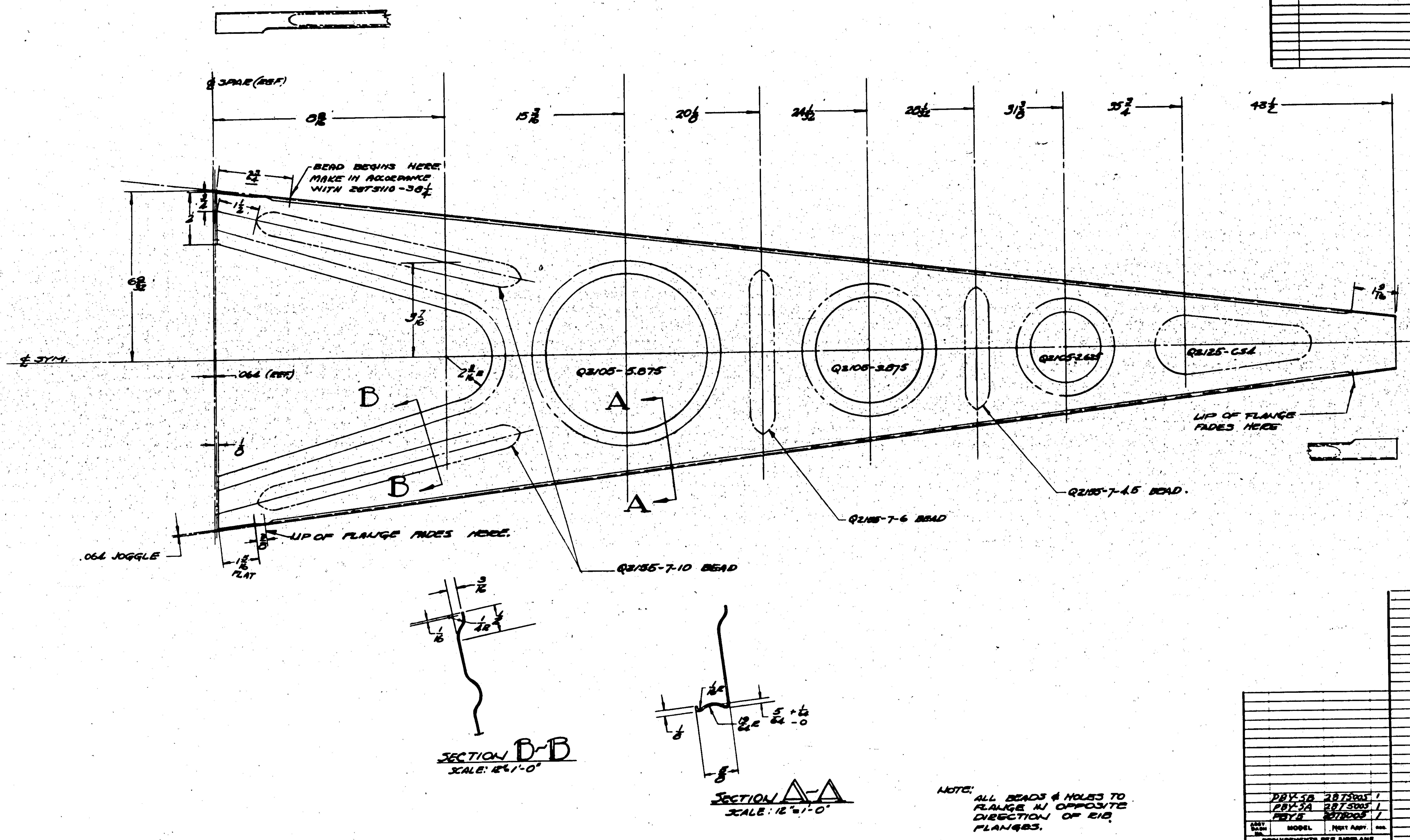
A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY 3E-33	Z-P-AP						
HEAT TREAT	FINISH						

NAME EIB- RUDDER STA. 30 - T.E.

OPP HAND NONE

DWG SIZE G — 28T5011

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



NOTE: ALL BEADS & HOLES TO FLANGE IN OPPOSITE DIRECTION OF RIB FLANGES.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY.	REQ.
PBY-5B	28T5005	1
PBY-5A	28T5005	1
PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

SCALE 6"=1'-0"

PART No	STOCK	MATERIAL	SPEC.
	.025x18x48	24S ALC.	4040 A

PARTS LIST PER ASSY.

NAVY SR. 83 — HEAT TREAT

Z-P-AP — FINISH

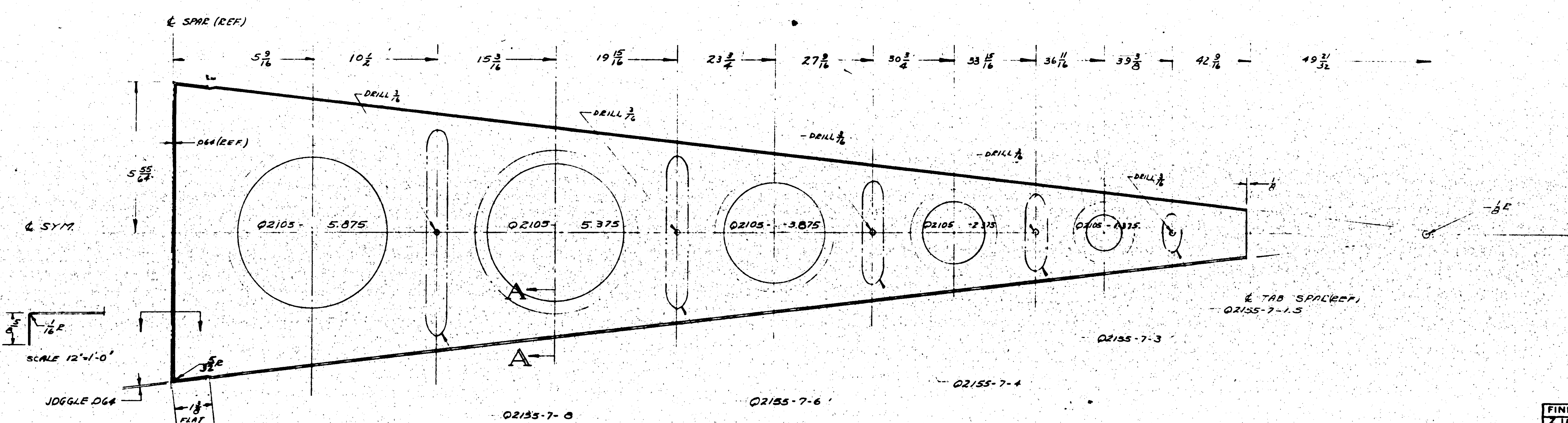
OPP HAND: NONE

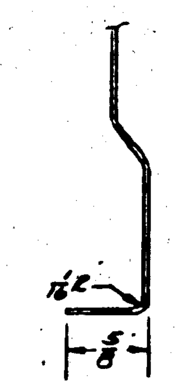
NAME: RIB - RUDDER STA. 40. T.E.

G 28T5012

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY





SECTION A-A
12" = 1'-0"

NOTE: FLANGES & BEADS ARE TO BE FORMED IN SAME DIRECTION

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY	REQ.
PBY-5B	28T5005	1
PBY-5A	28T5005	1
PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES

REPLACED BY

SCALE 6"=1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
-3	.020×17×47	24SO ALC	47AAA	1				

PARTS LIST PER ASSY.

NAVY SE 53 — HEAT TREAT

Z-P-AP — FINISH

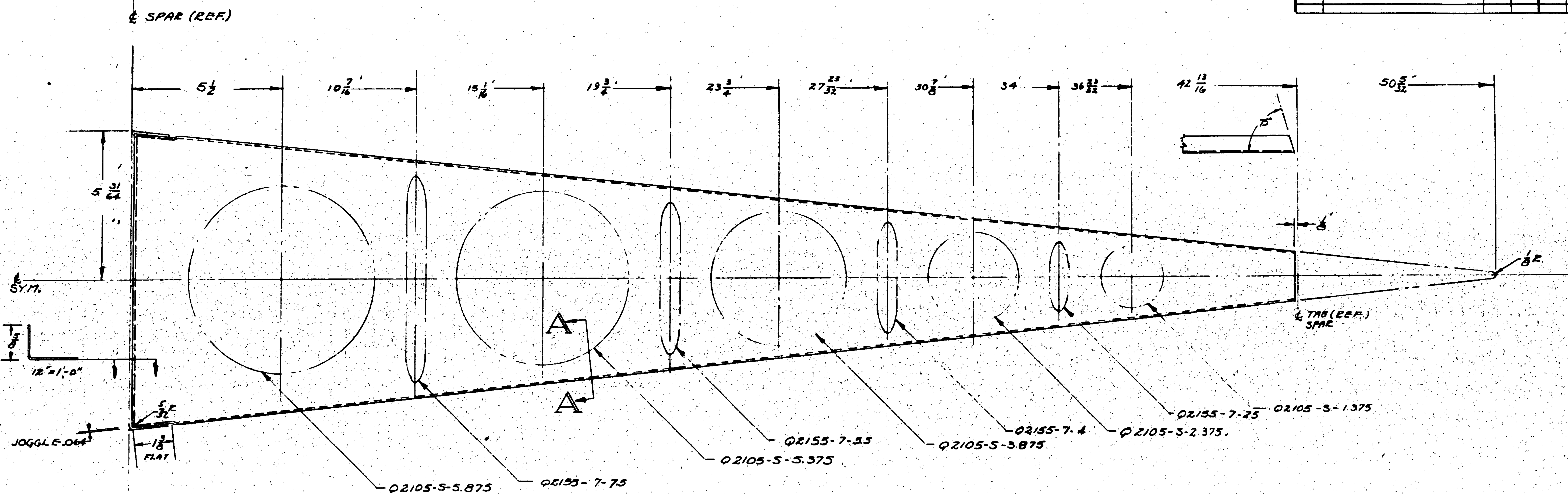
DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

OPP. HAND NONE

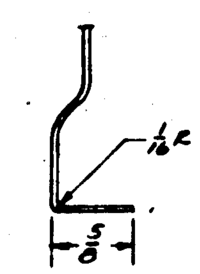
NAME RIB - RUDDER T.E. CUT OUT - LOWER

G 28T5013

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF



NOTE.- FLANGES & BEADS FACE IN SAME DIRECTION



SECTION A-A
12"=1'-0"

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY	REQ.
PBY-5B	28T5805	1
PBY-5A	28T5005	1
PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

SCALE 6"=1'-0" & NOTED

PART NO	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.020×17×54	ALC. 24SO	47A8 A	1				

PARTS LIST PER ASSY.

NAVY SE 53 — HEAT TREAT

Z-P-AP — FINISH

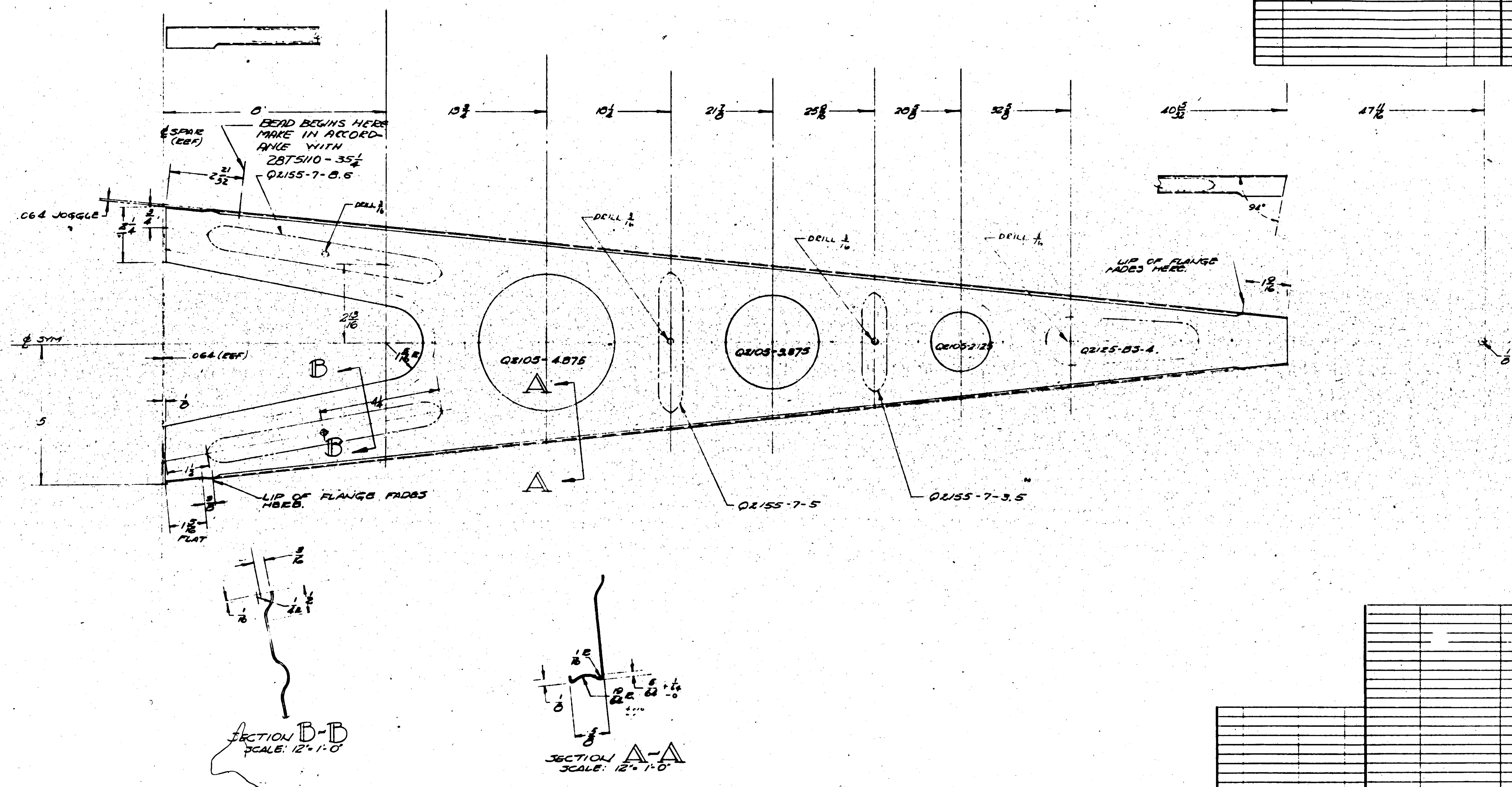
2-29-40

NAME RIB - RUDDER T.E CUTOUT UPPER

SCALE NONE

G 28T5014

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



NOTE: ALL BEADS & HOLES TO FLANGE IN OPPOSITE DIRECTION OF RIB FLANGES.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY	NO.
PBY-5B	28T5005	1
PBY-5A	28T5005	1
PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

SCALE 12" = 1'-0" & NOTED

PART No	STOCK	MATERIAL	SPEC.	REQ -0
	.025x16x44	24S-ALC	47AC A	1

PARTS LIST PER ASSY.

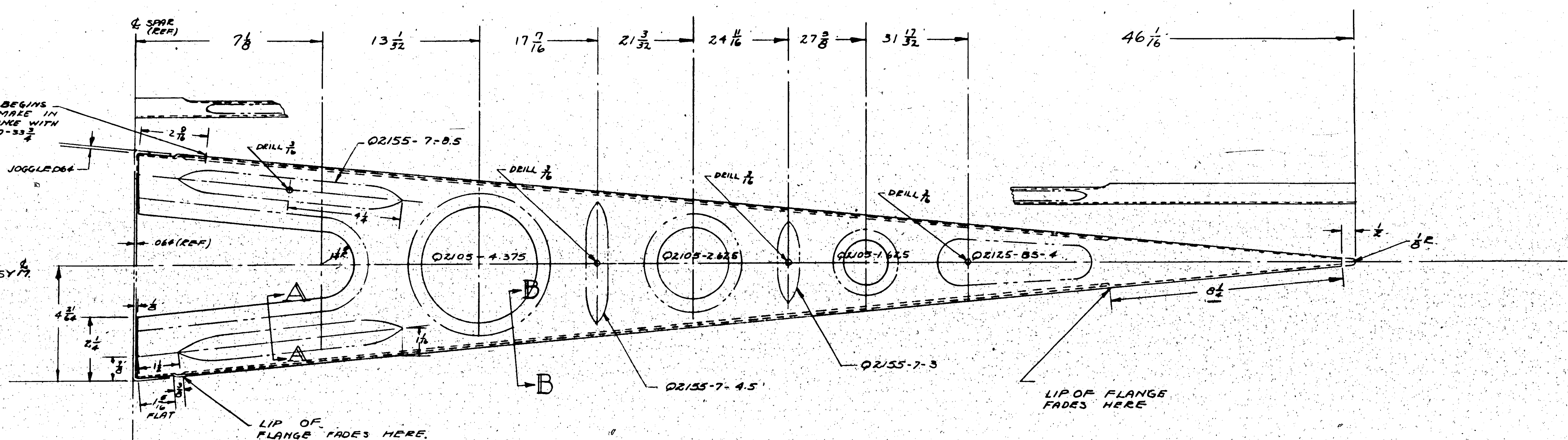
NAVY SC. 53 — HEAT TREAT | Z-P-AP — FINISH

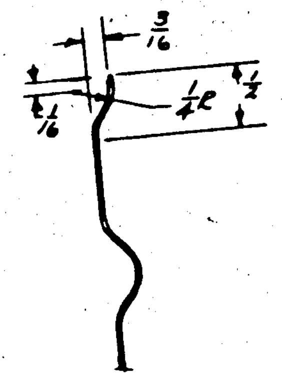
OPP HAND: NONE

NAME: RIB - RUDDER STA. 69½ T.E.

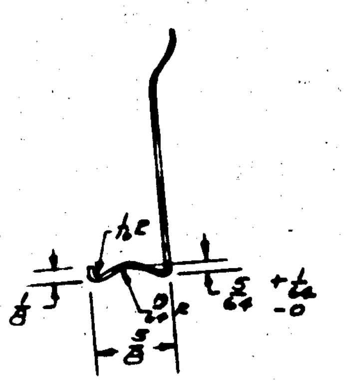
G 28T5015

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.





SECTION A—A
SCALE 12"=1'-0"



SECTION B—B
SCALE 12"=1'-0"

NOTE: ALL BEADS & HOLES TO FLANGE IN OPPOSITE DIRECTION TO THAT OF RIB FLANGES.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

ASSY DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28T5005	1
	PBY-5A	28T5005	1
	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

SCALE 6"=1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
-1	.025 X 14 X 50	ALC 24 SO	47A8 A					

PARTS LIST PER ASSY.

A C — NAVY 3E53 — HEAT TREAT

Z-P-AP — FINISH

DRAFT — CHECK — STRUCT — MAT — APPROV — ENG

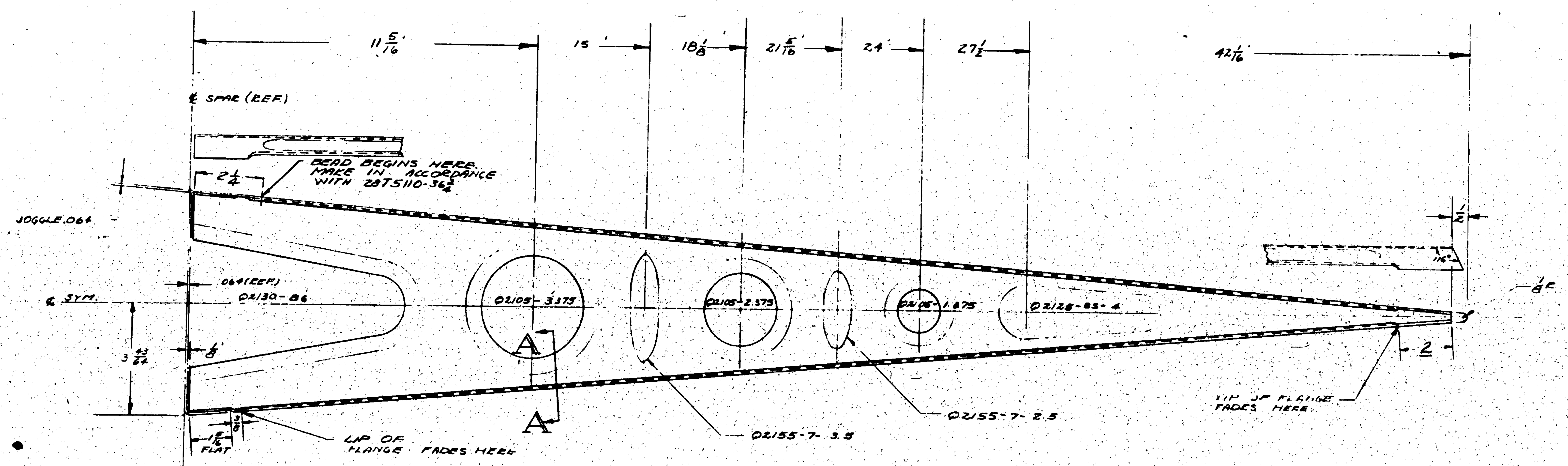
NAME RIB- RUDDER T.E. STA. 84 7/8

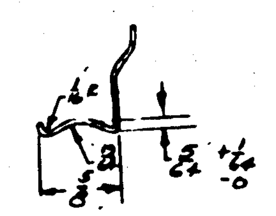
OPP HAND NONE

DWG G 28T5016

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R





SECTION A-A
SCALE 12"=1'-0"

NOTE: ALL HOLES & BEADS TO BE FLANGED IN DIRECTION OPPOSITE TO RIB FLANGES.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH NO.	MODEL	NEXT ASSY	NO.
	PBY-5B	28T5005	1
	PBY-5A	28T5005	1
	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.025 x 13 x 46	ALC 24SO	47AB A					

PARTS LIST PER ASSY.

A C		
NAVY SC 63	Z-P-AP	
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

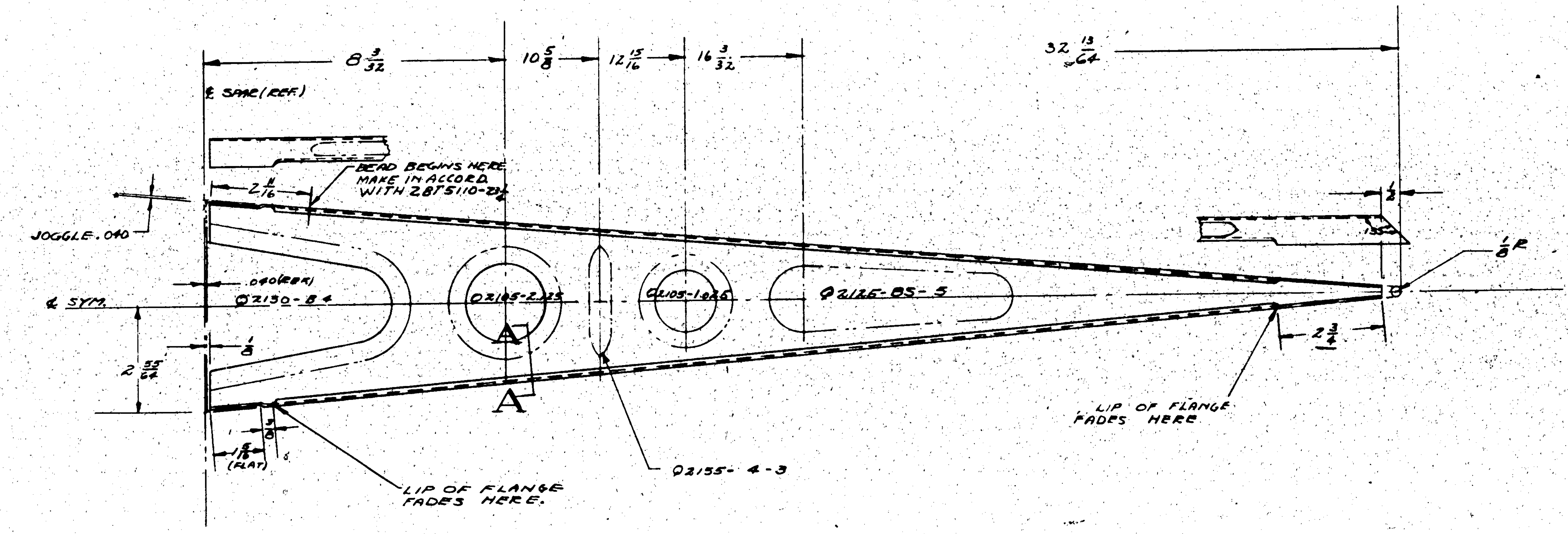
NAME: RIB - RUDDER T.E. STA. 99

OPP HAND: NONE

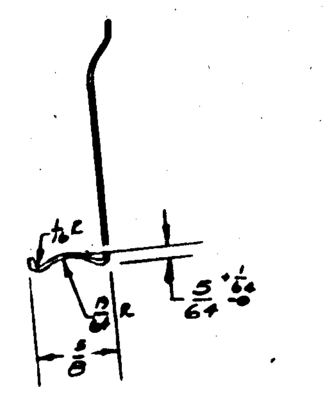
DWG SIZE G — 28T5017

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY



NOTE: HOLES & BEADS TO FLANGE IN DIRECTION OPPOSITE TO FLANGES.



SECTION A-A
SCALE 12" = 1'-0"

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5B	28T5005	1
	PBY-5A	28T5005	1
	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ LH	-2 REQ RH	-3 REQ LH	-3 REQ RH	-4 REQ LH	-4 REQ RH	-5 REQ LH	-5 REQ RH
-4	.020X12X36	AA 2450	47AB A	1									

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY SR 53	Z-P-AP	[illegible] 2-4-46	[illegible]	[illegible]	[illegible]	[illegible]	R
HEAT TREAT	FINISH						

NAME RIB - RUDDER T.E. STA. 113

OPP HAND NONE

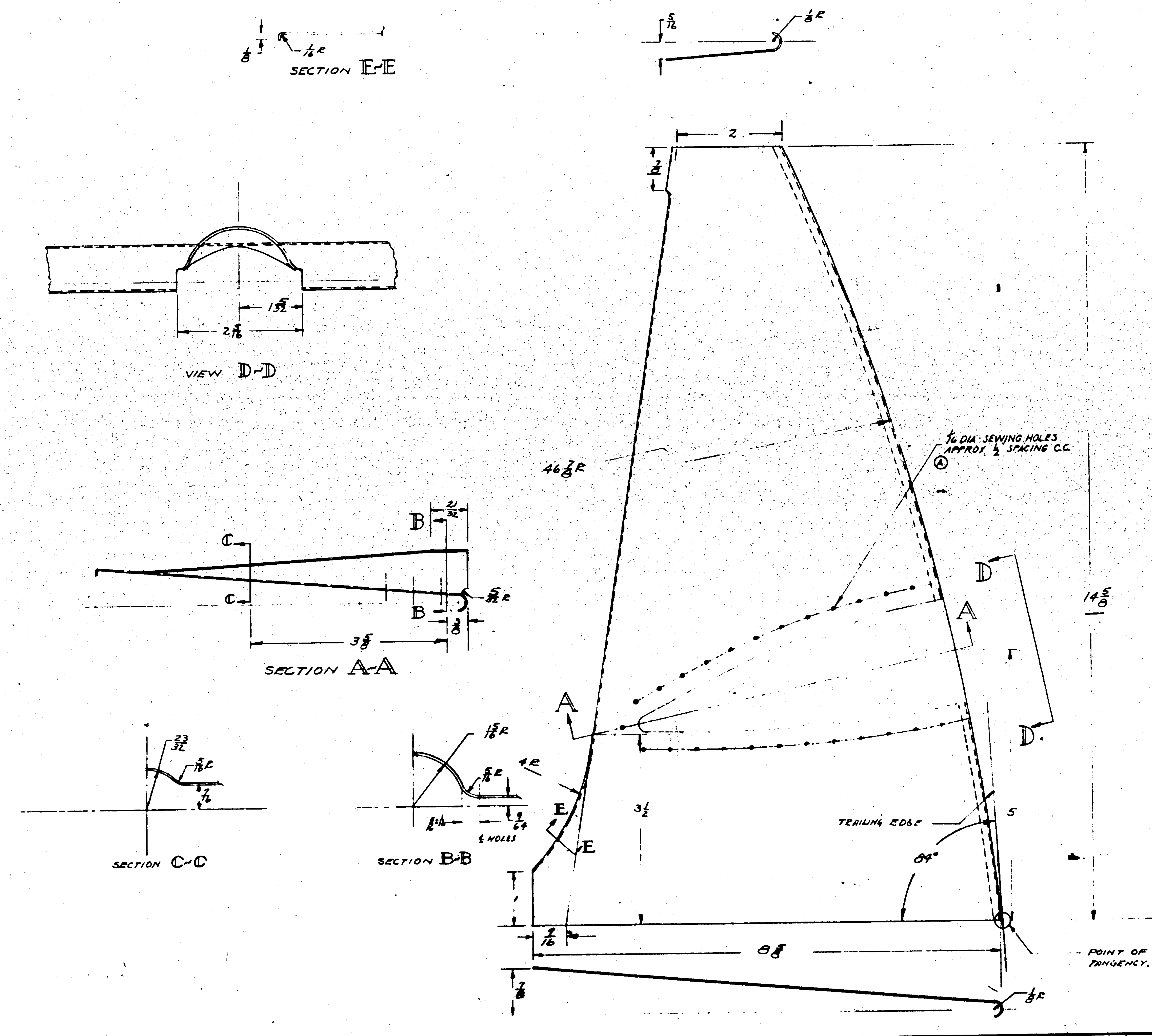
DWG SIZE G — 28T5018

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

R

E.O. 22124 (PBY-5)
E.O. 544 NORTHROP

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED 1/16 DIA. SEWING HOLES	11-10-[illegible]	[illegible]				
B	.040 WAS .020	12/15/[illegible]	[illegible]				



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-R	PBY-5A&B	28T5037	1
-L	PBY-5A&B	28T5037	1
-E	PBY-5	28T5037	1
E L	PBY-5	28T5037	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
(B)	.040 X 13 X 19	24SO ALC	47A9 A	1 1				

PARTS LIST PER ASSY.

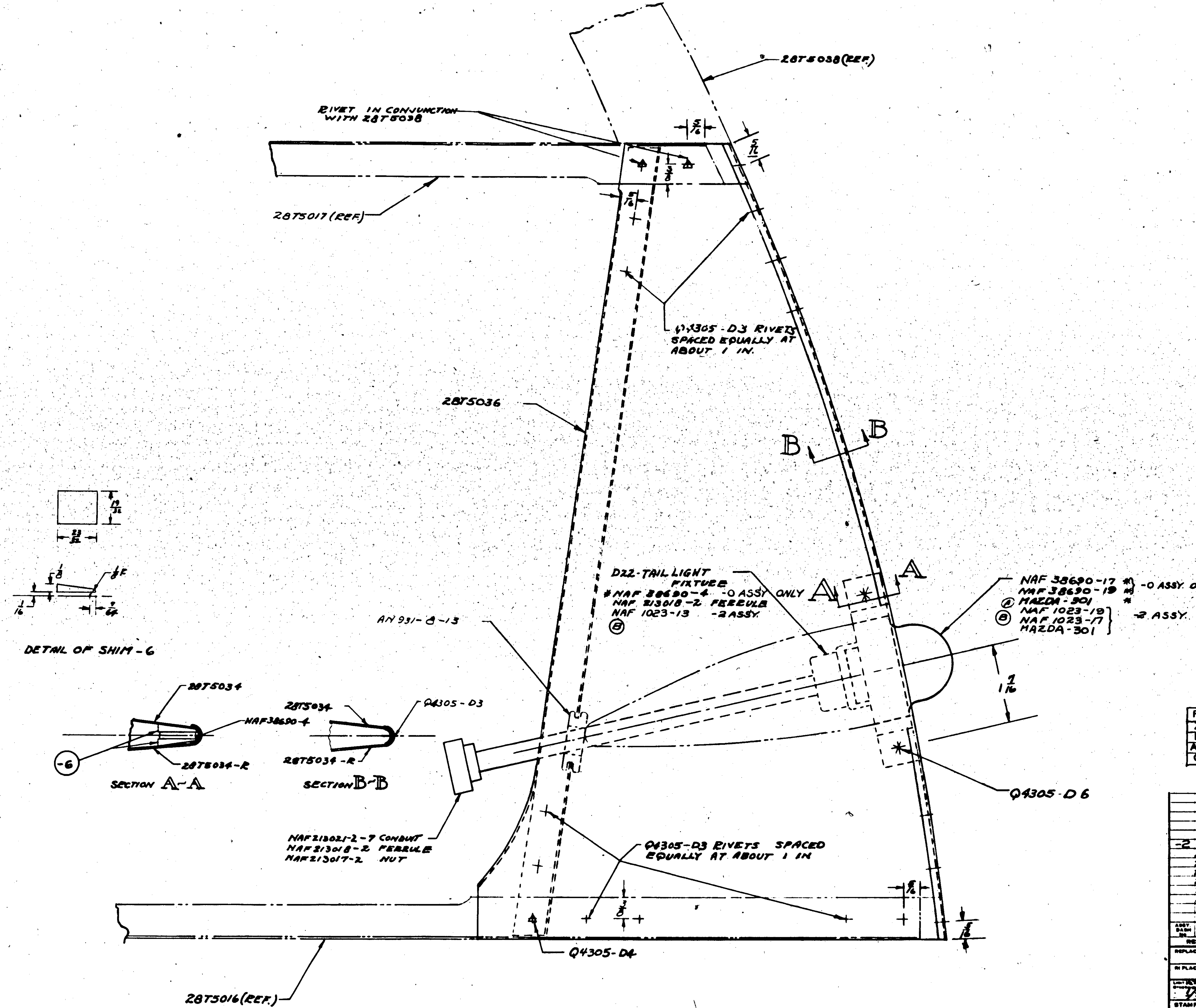
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AC NAVY 3E53	Z-P-AP OUTSIDE Z-P-2AP INSIDE	2-7-40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NAME FAIRING - RUDDER TAIL LIGHT

OPP. HAND 28T5034-E

DWG. SIZE G 28T5034

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



FINISH NOTE:-

-6: Z-P-2AP
BASE OF TAIL LIGHT, CONDUIT (OUTSIDE), AND CONDUIT FITTINGS: P-AP } IN DETAIL

PARTS MARKED * ARE GOVERNMENT FURNISHED.

LET	ALTERATION	DATE	BY
A	INDICATED PARTS WHICH ARE GOV'T FURNISHED; MAZDA #301 WAS NAF1068-17	9/11/40	J.F.
B	CREATED -2 ASSY. WT. CHG. NEG.	6-11-42	EMK

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
-2	PBY-5B	28T5005	1
	28-5AMN		1
	28-5AMC		1
	28-5MN		1
	28-5ME		1
	28-5MC		1
	28-5MA		1
	PBY-5A		1
	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
SCALE 12" = 1'-0"
7/32
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
NAF-1023-19					1			
NAF-1023-17					1			
NAF-1023-13					1			
Q4305-D6								
Q4305-D3								
AN 931-8-13				1	1			
NAF 213017-2				1	1			
NAF213018-2				2	2			
NAF213021-2-7				1	1			
MAZDA-301 (D-22 LIGHT FIXTURE)				1	1			
NAF38690-19 (D-22 LIGHT FIXTURE)				1				
NAF38690-17 (D-22 LIGHT FIXTURE)				1				
NAF38690-4 (D-22 LIGHT FIXTURE)				1				
28T5036				1	1			
28T5034-R				1	1			
28T5034				1	1			
-6	.128x¾x⅞	24ST	47A10T	4	4			

PARTS LIST PER ASSY.

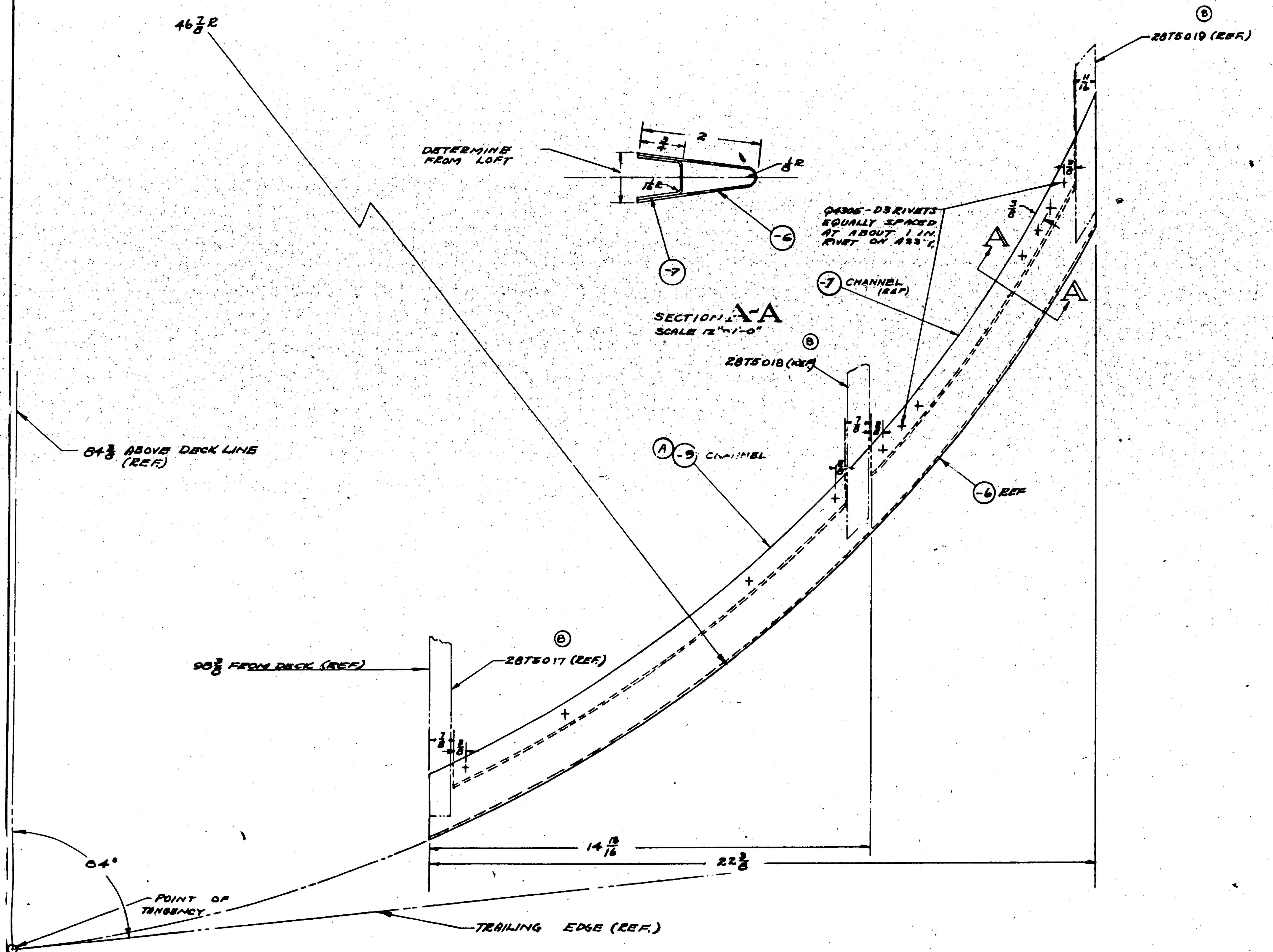
A C							
NAVY NONE	NOTED						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

OPP HAND NONE

NAME INSTALLATION - RUDDER TAIL LIGHT

DWG G 28T5037

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PSTS EO. 15906.
COLUMBIA AIRCRAFT IND. E.O. A-11250

LET	ALTERATION	DATE	BY
A	ADDED -8. -7 WAS .020 x 6 x 34. IS NOW .020 x 5 x 14		
B	REF RIBS 28T5017, 28T5018, & 28T5019 WERE 28T5029, 28T5030, & 28T5031; WT. CHG. NEG.	5-7-43	MOORE

ASSY DASH NO	MODEL	NEXT ASSY	REQ.
	PBY-5B	28T5005	1
	PBY-5A	28T5005	1
	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
SCALE 6"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
(A) -8	.020 x 5 x 18	24S0 ALC	4748 A	1				
-7	.020 x 5 x 14	24S0 ALC	4748 A	1				
-6	.020 x 8 x 40	24S0 ALC	4748 A	1				

PARTS LIST PER ASSY.

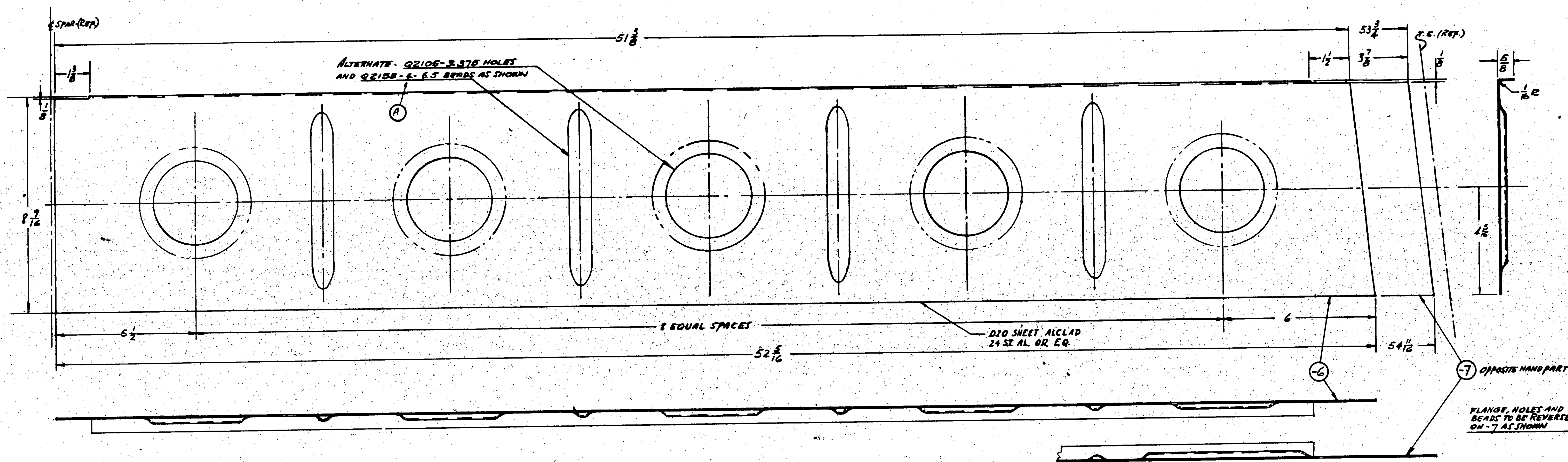
AC
NAVY 3263
HEAT TREAT
FINISH: Z-P-2AP IN DETAIL
DRAFT — CHECK — STRUCT — MAT — APPROV — ENG
OPP HAND: NONE

NAME: TRAILING EDGE - RUDDER UPPER

DWG SIZE G — 28T5038

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	[illegible] EO 1720A COND. T WAS COND. A.	[illegible]	[illegible]



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
-7	PBY-5A&B	28T5005	1EA
-6	PBY-5A&B	28T5005	1EA
-7	PBY-5	28T5005	1
-6	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-7	.020 X 13 X 59	ALCLAD	47A8-T
-6	.020 X 13 X 59	ALCLAD	47A8-T

PARTS LIST PER ASSY.

REQ -0 · REQ -2 · REQ -3 · REQ -4 · REQ -5

A C · NAVY · HEAT TREAT

FINISH: Z-P or AP

DRAFT: [illegible] 3-11-40 · CHECK · STRUCT · MAT · APPROV · ENG

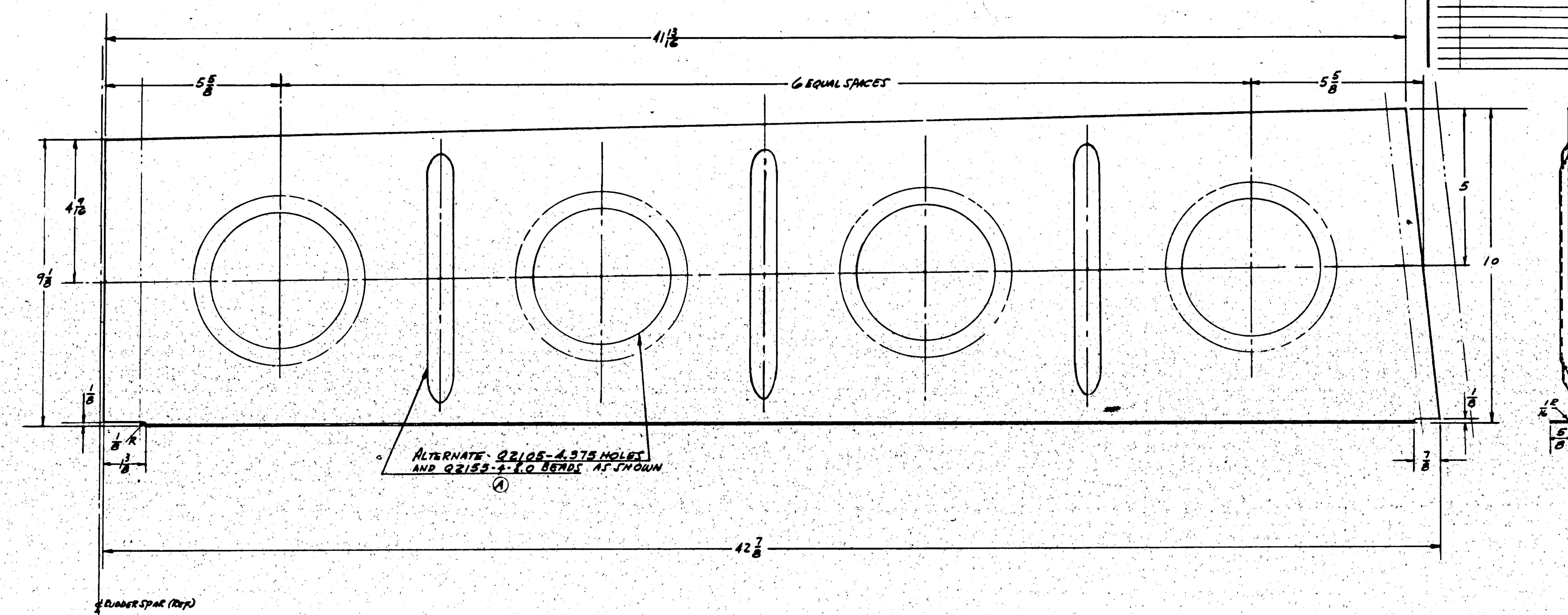
NAME: PULL SHEET-RUDDER-LOWER FABRIC

OPP HAND —

DWG SIZE G — 28T5041

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	Q2155-4-8.0 WAS Q2155-7-8.0 EO 1720-A (Northrop)		



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5A & B	28T5005	1 EA
	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.020x15x47	ALCLAD	47A8-A					

PARTS LIST PER ASSY.

A C

NAVY SR-53 — HEAT TREAT

Z-P-2AP — FINISH

DRAFT: Amber 3-12-4[illegible] — CHECK — STRUCT — MAT — APPROV — ENG

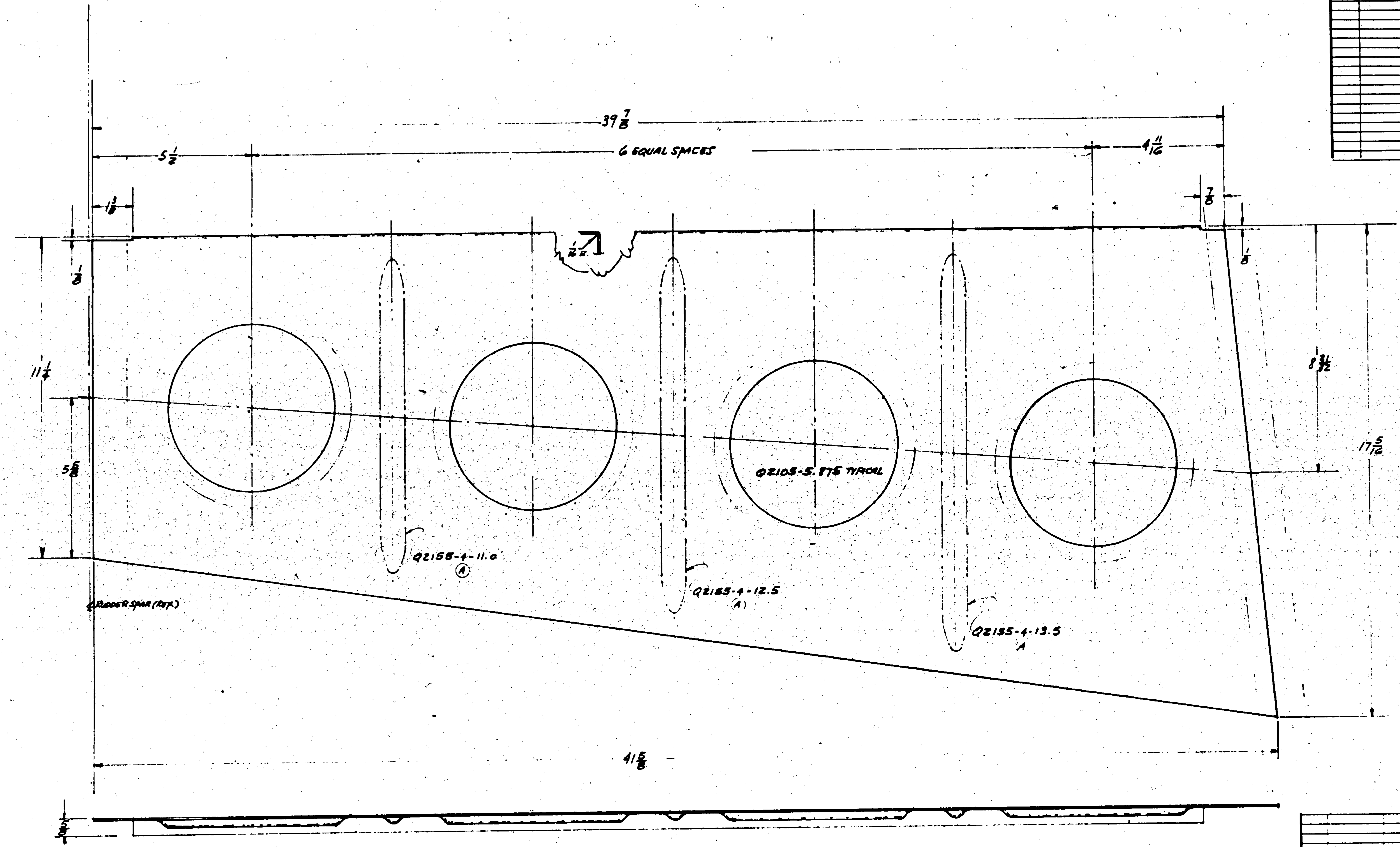
NAME PULL SHEET - RUDDER - RIGHT MIDDLE FABRIC

OPP HAND NONE

DWG SIZE G — 28T5042

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	Q2155-4-11.0 WAS Q2155-7-11.0 E.O. 1720-A (NORTHROP)	12-17-46	[illegible]



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A&B	28T5005	1EA
-L	PBY-5A&B	28T5005	1EA
-R	PBY-5	28T5005	1
-L	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.020 X 22 X 46	ALCLAD	47A6-A

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

AC — NAVY SR-53 — HEAT TREAT

Z-P-2AP — FINISH

3-12-40 — DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

NAME PULL SHEET - RUDDER - UPPER FABRIC

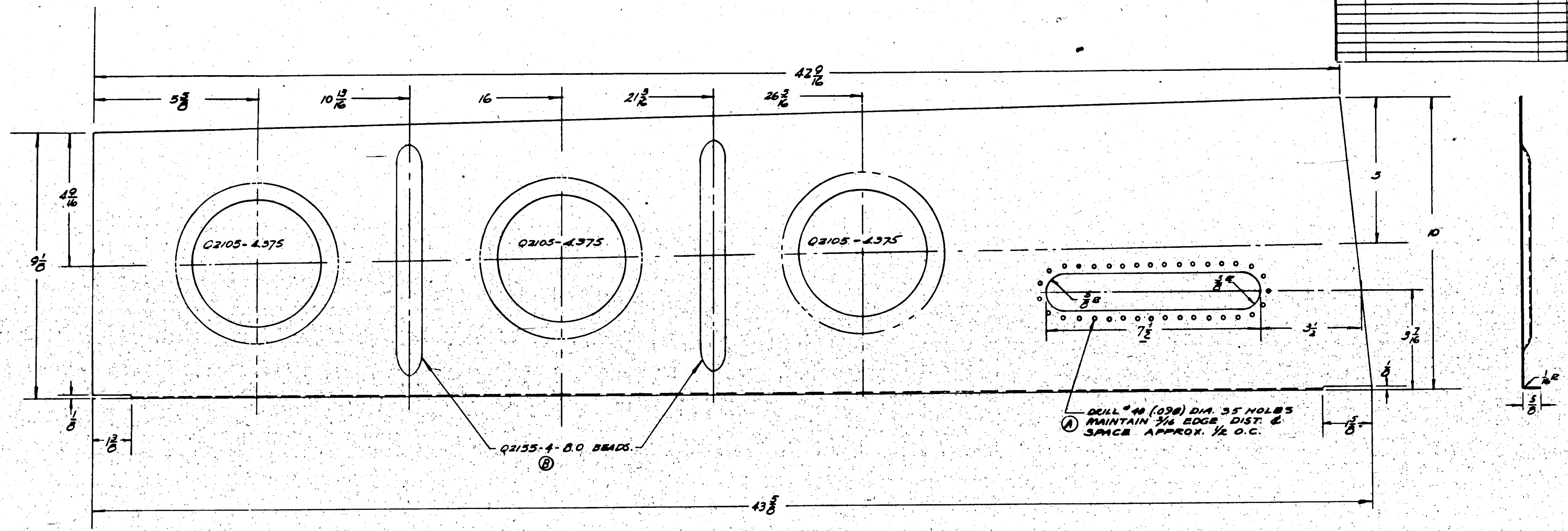
OPP HAND 28T5043-R

DWG. G 28T5043

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

LET	ALTERATION	DATE	BY
A	ADDED #40 (.098) DIA. 35 HOLES & NOTE	11-8-39	[illegible]
B	Q2155-4-8.0 WAS Q2155-7-8.0	12-11-40	Honck

PBY-5 28-3ME & F } NORTHROP E.O.348
PBY-5 28-3ME & F. NORTHROP E.O.1720-W



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY.	NO.
	PBY-3B	28T5005	1
	PBY-5A	28T5005	1
	PBY-5	28T5005	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.020 x 15 x 48	ALC. 24S.	47A8 A					

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY SR-53	Z-P-2AP	[illegible] 9/20/40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
HEAT TREAT	FINISH						

NAME FULL SHEET- RUDDER LEFT MIDDLE FABRIC.

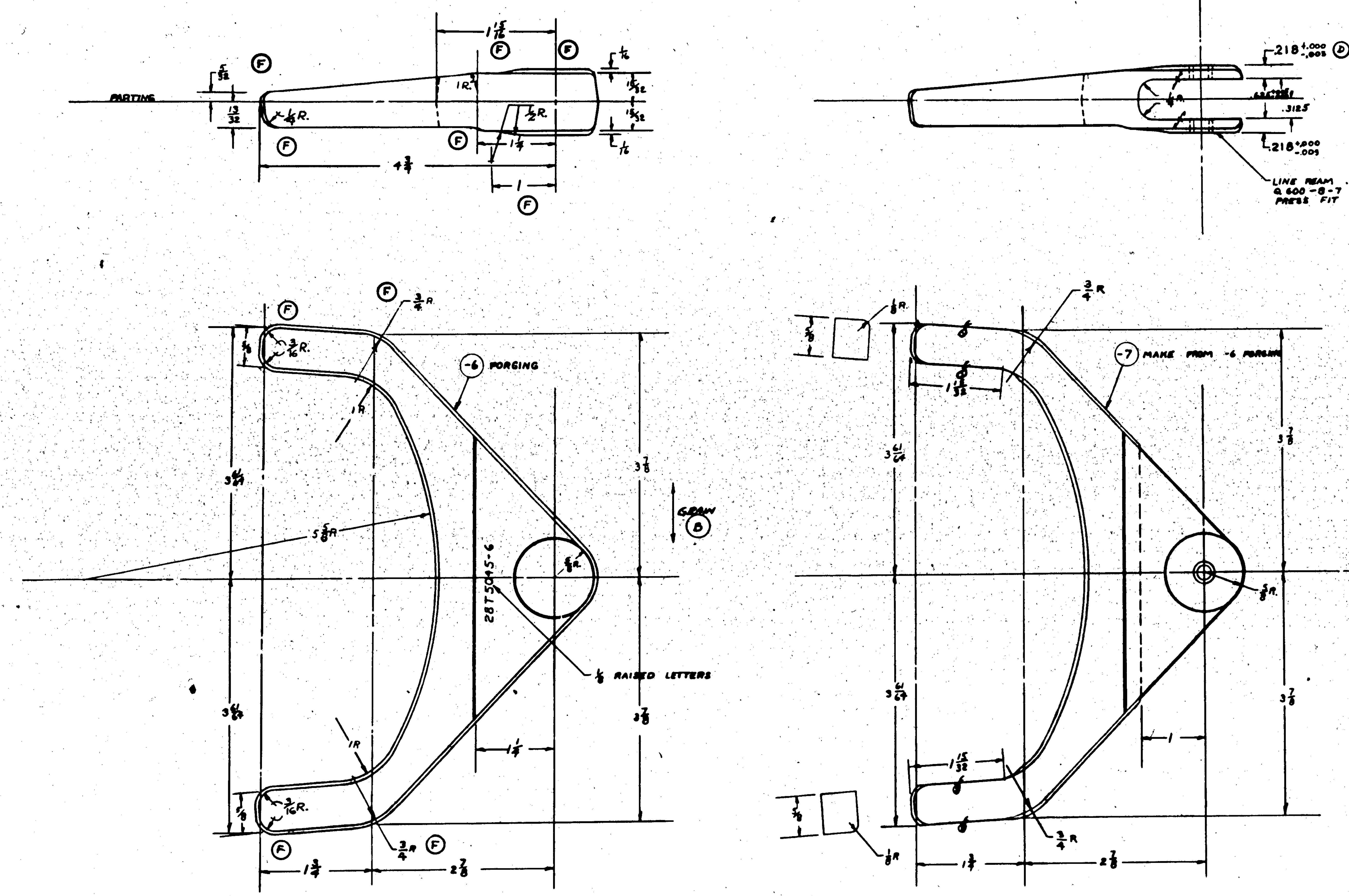
OPP. HAND

DWG. SIZE G — 28T5044 R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	SHEET 2 ADDED		
B	DIRECTION OF GRAIN SHOWN		"
C	DIMENSIONED TO TOP SURFACE INSTEAD OF TO PARTING LINE	5/13/40	
D	DIMS .218 ADDED. & 1/32 DIM. REMOVED ON FACE OF DWG. ON -7	9-26-41	
E	CHG'D MAT'L FROM 17ST TO 17ST; SPEC FROM AN-QQ-A-??? TO 46-A7-GE3; H.T. FROM NONE TO 46,000 #/□"	5-20-42	CLARK
F	CHANGED NOTES. ALL SMALL RADII 1/8 WAS 1/16 BLEND ED SHARP CORNERS CHANGED 3/16 R TO 3/4 R ADDED 1 R., 1/2 R. & 1 DIM. 3/16 R. WERE 1/8 R.		

(FORGING NOT AF-...) E.O. 5206



NOTE: SHEET 1 OF THIS DRAWING SHOWS THE RUDDER HINGE AS MADE FROM -6 FORGING. THE MACHINED HINGE, -8, AS SHOWN IN SHEET 2 IS TO BE USE ONLY WHEN -6 FORGING IS NOT AVAILABLE. (A)

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE
1) DRAFT ANGLE 7°
2) ALL SMALL RADII 1/8
3) ∮ = SMOOTH MACHINE FINISH

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	28-5AMN	28T5002	1
	PBY-5B		1
	28-5AMC		1
	28-5MN		1
	28-5MC		1
	28-5MA		1
	28-5ME		1
	PBY-5A		1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 - 1/64 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
Q600-8-7				2				
-7	-6			1				
-6	1.00 x 8 1/4 x 5 1/2	ALCOA 17ST	46A7-GE3					

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV.	ENG
NAVY 44000 #/□"	Z-P-2AP	3-14-40					R

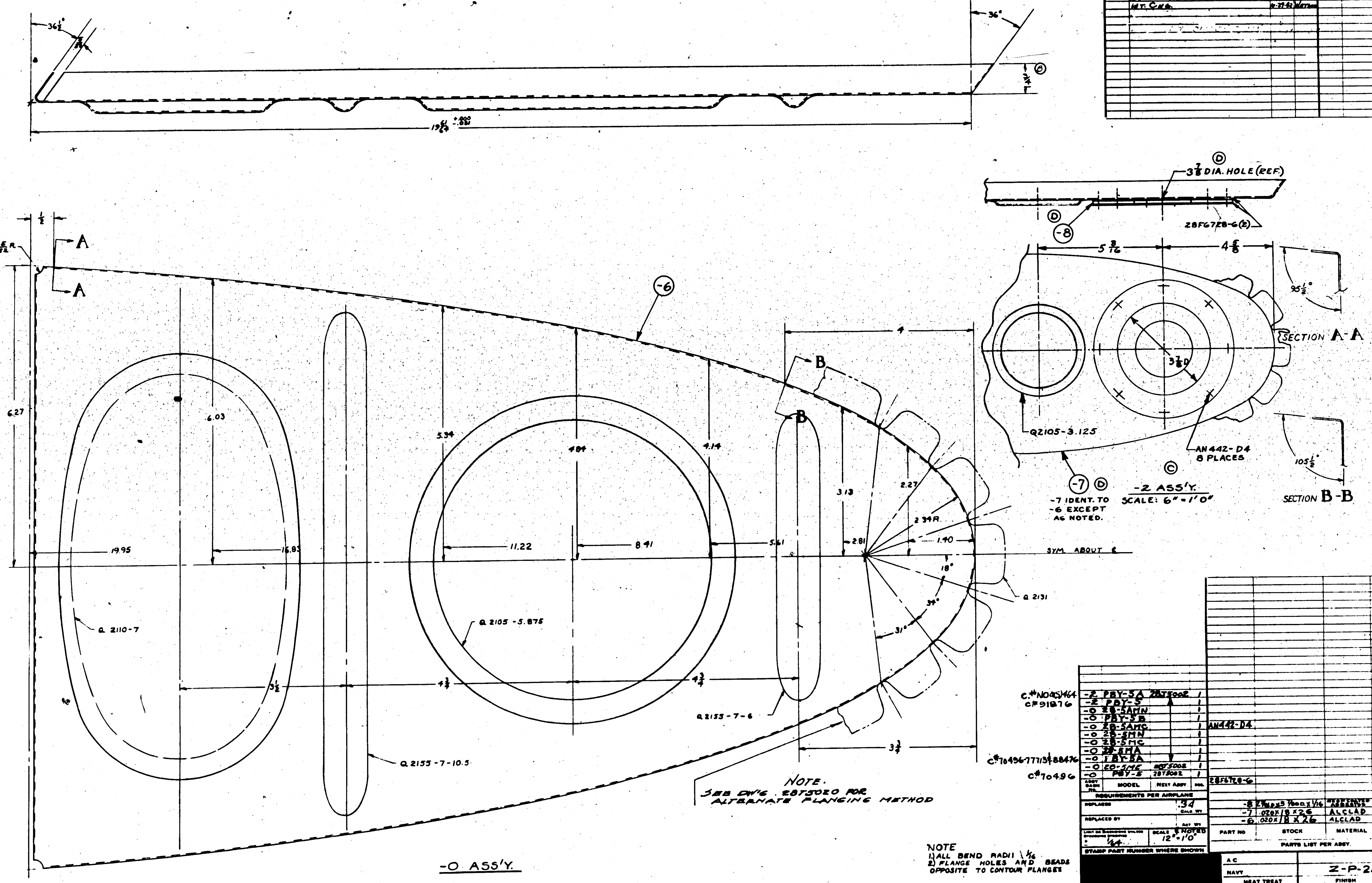
A C

NAME: HINGE BRACKET - FIN UPPER

OPP HAND

DWG. SIZE G — 28T5045 SHEET #1 OF 2 — R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY
A	ADDED NOTE REGARDING ALTERNATE FLANGING		
B	3/4 DIM WAS 7/8 DIM ON DRG.	7-8-41	
C	CREATED -2 ASSY. NEG. WT. CHG.		
D	ASSIGNED -6 & -7 TO PART -8 FOR NEOP. & Q2105-3.875 REPLACED BY 3 7/8 DIA HOLE. NO WT. CHG.		

E.O. 1901A
E.O. 3837
E.O. A62308

NOTE.
SEE DWG 28T5020 FOR ALTERNATE FLANGING METHOD

NOTE
1) ALL BEND RADII 1/16
2) FLANGE HOLES AND BEADS OPPOSITE TO CONTOUR FLANGES

	ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
C.#NO45)464	-2	PBY-5A	28T5002	1
C#91876	-2	PBY-5		1
	-0	28-5AMN		1
	-0	PBY-5B		1
	-0	28-5AMC		1
	-0	28-5MN		1
	-0	28-5MC		1
	-0	28-5MA		1
C#70496-77713&88476	-0	PBY-5A		1
	-0	28-5ME	28T5002	1
C#70496	-0	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — .34 CALC. WT
REPLACED BY — ACT. WT

LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12" = 1'0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN442-D4					8			
28F6728-6					2			
-8	2 3/4 DIA x 5 9/16 DIA x 1/16	NEOP. COATED ASBESTOS	CAC#FAB-13-25		1			
-7	.020 x 18 x 26	ALCLAD	47A8-A		1			
-6	.020 x 18 x 26	ALCLAD	47A8-A	1				

PARTS LIST PER ASSY.

A C			
NAVY			
HEAT TREAT	Z-P-2AP FINISH		

DRAFT 2-28-40 — CHECK — STRUCT — MAT — APPROV — ENG

NAME: **NOSE RIB - UPPER FIN STA. 10 12/16**

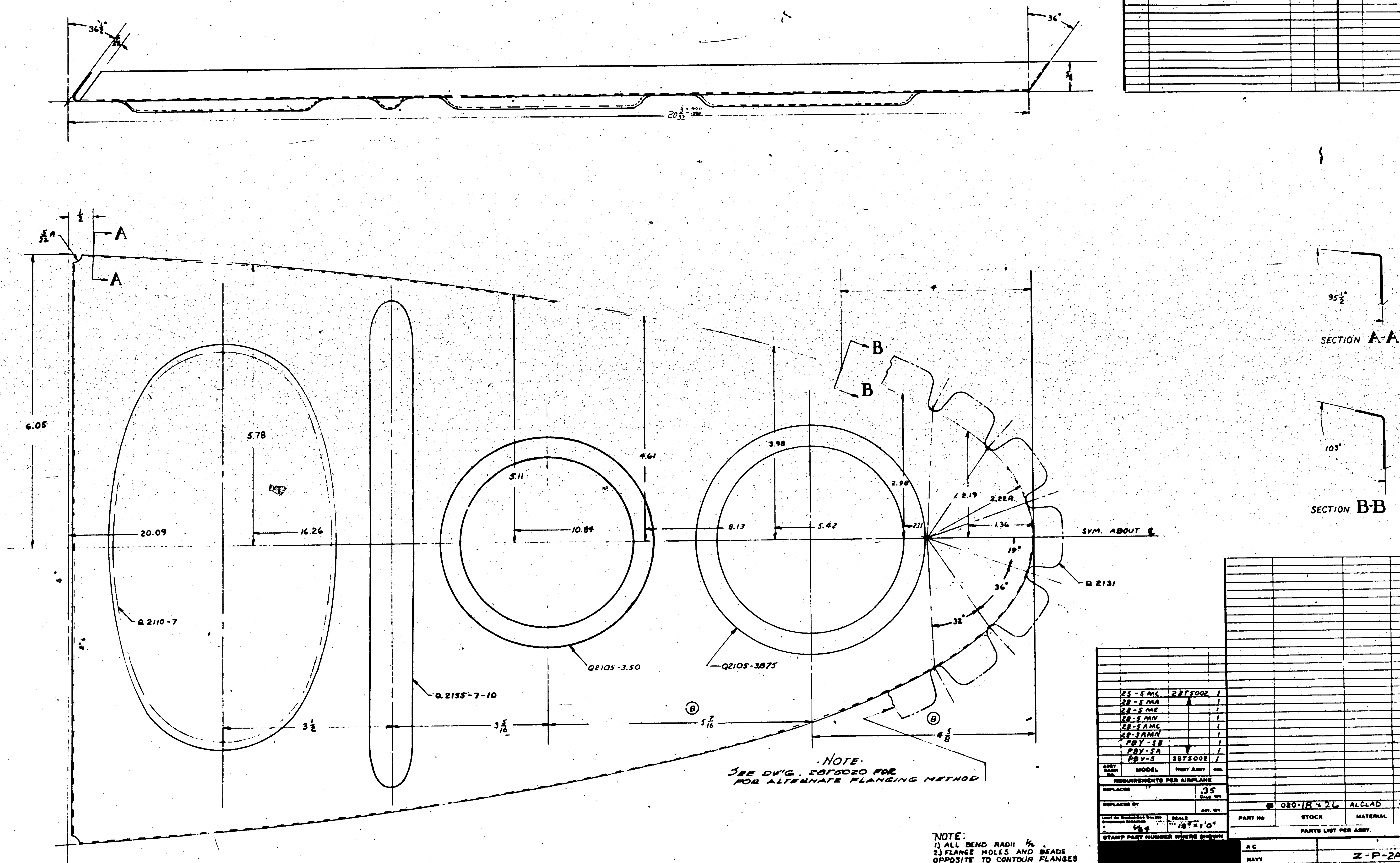
OPP HAND

DWG SIZE G — 28T5046

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

FINISH CODE	
Z	ANODIC TREATMENT
P	P27 PRIMER
AP	ALUM. NC PRIMER
C	CADMIUM PLATE

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED NOTE REGARDING ALTERNATE FLANGING (R.O. 1901A)						
B	Q2105-350 WAS Q2105-5.375, Q2105-3.875 WAS Q2155-7-6.5, DIM 3 5/16 WAS 4 3/16, 5 7/16 WAS 4 7/16 & 4 5/8 WAS 4 1/2 (E.O. A56091) WT. CH'G NEG.						



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZ'G PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY	REQ.
	28-5 MC	28T5002	1
	28-5 MA	↑	1
	28-5 ME		1
	28-5 MN		1
	28-5 AMC		1
	28-5 AMN		1
	PBY-5B		1
	PBY-5A	↓	1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES | .35 CALC. WT.
REPLACED BY | ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 | SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.020 - 18 × 26	ALCLAD	47A8-A	1				

PARTS LIST PER ASSY.

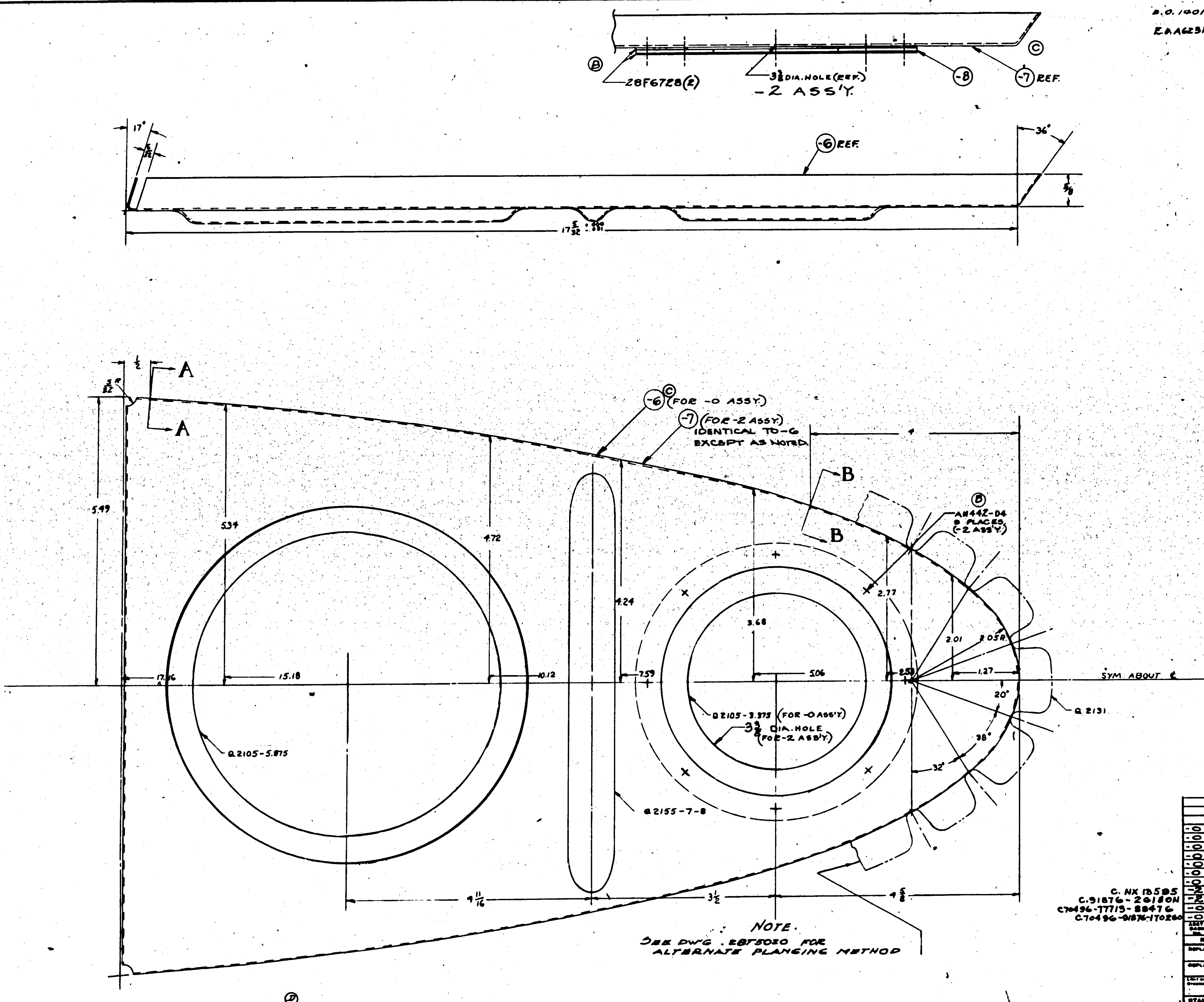
A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY		2-29-			3/13		
HEAT TREAT	FINISH Z-P-2AP						

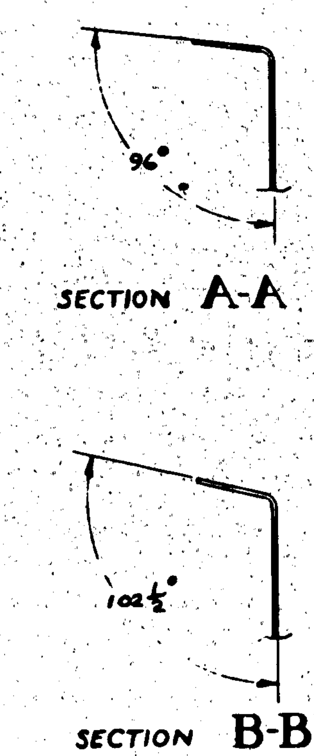
NAME: NOSE RIB - UPPER FIN STA. 15

OPP. HAND

DWG. SIZE G — 28T5047

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.





E.O. 1401A
E.A.A62314

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED NOTE REGARDING ALTERNATE FLANGING	[illegible]	[illegible]				
B	CREATED -2 ASSY. WT. CHG. NEG.	[illegible]	[illegible]				
C	ASSIGNED -6 & -7 TO FACT. & -8 FOR NEOR. & 3 3/8 DIA HOLE REPLACES Q2105-3.375 (IN -2 ASSY.) NO WT. CHG.	[illegible]	[illegible]				

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

C. NX 13595
C. 91876-26180N
C70496-77715-88476
C70496-91876-1T0260

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
-0	28-5AMN	28T5002	1
-0	PBY-5B		1
-0	28-5AMC		1
-0	28-5MN		1
-0	28-5ME		1
-0	28-5MC		1
-0	28-5MA		1
-2	PBY-5A		1
-2	PBY-5		1
-0	PBY-5A		1
-0	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 3 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/64
SCALE: 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
AN442-D4					-			
28F6728-7					2			
-8	2 5/8 I.D. x 5 3/8 O.D. x 1/16	NEOP. COATED ASBESTOS	CAC# PMS-15-25		1			
-7	.020 x 17 x 23	ALCLAD	47A8-A		1			
-6	.020 x 17 x 23	ALCLAD	47A8-A	1				

PARTS LIST PER ASSY.

NOTE:
1) ALL BEND RADII 1/16
2) FLANGE HOLES AND BEADS OPPOSITE TO CONTOUR FLANGES.

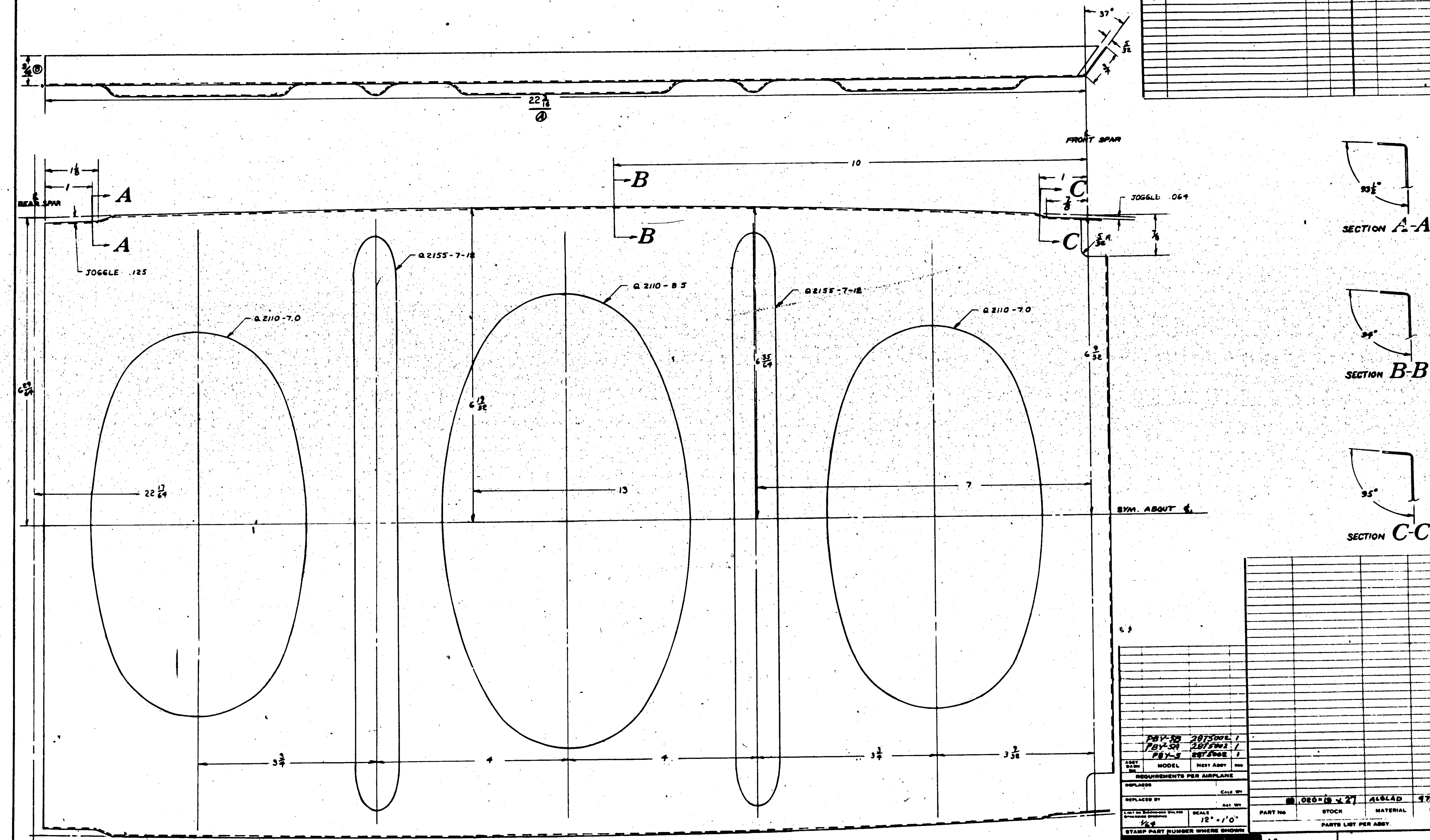
		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AC		[signature]	[signature]	[signature]	[signature]	[signature]	
NAVY	Z - P - 2AP	3-1-4[illegible]			[illegible]	[illegible]	-
HEAT TREAT	FINISH						

OPP HAND

NAME: NOSE RIB - UPPER FIN STA. 22 5/16

DWG SIZE: G — 28T5048

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.



LET	ALTERATION	DATE	BY
A	22 3/16 WAS 22 1/16 (BLKHD. LENGTH)		
B	3/16 WAS 1/8	7-2-41	

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

MODEL	NEXT ASSY	REQ
PBY-5B	28T5002	1
PBY-5A	28T5902	1
PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
	.020 × 13 × 27	ALCLAD	27A8-A

PARTS LIST PER ASSY.

FINISH: Z-P-2AP

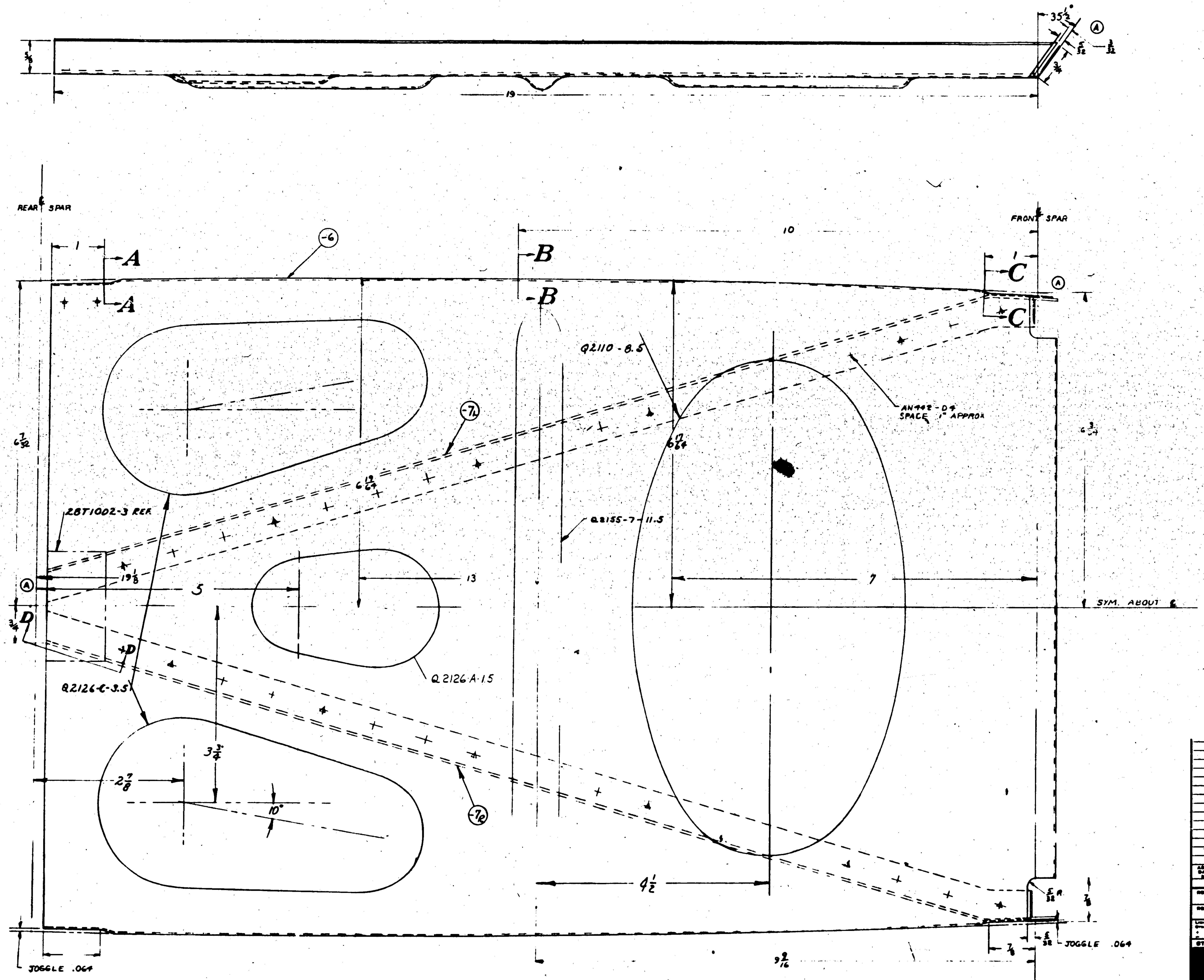
NOTE:
1) ALL BEND RADII 1/16
2) FLANGE HOLES & BEADS OPPOSITE TO CONTOUR FLANGE

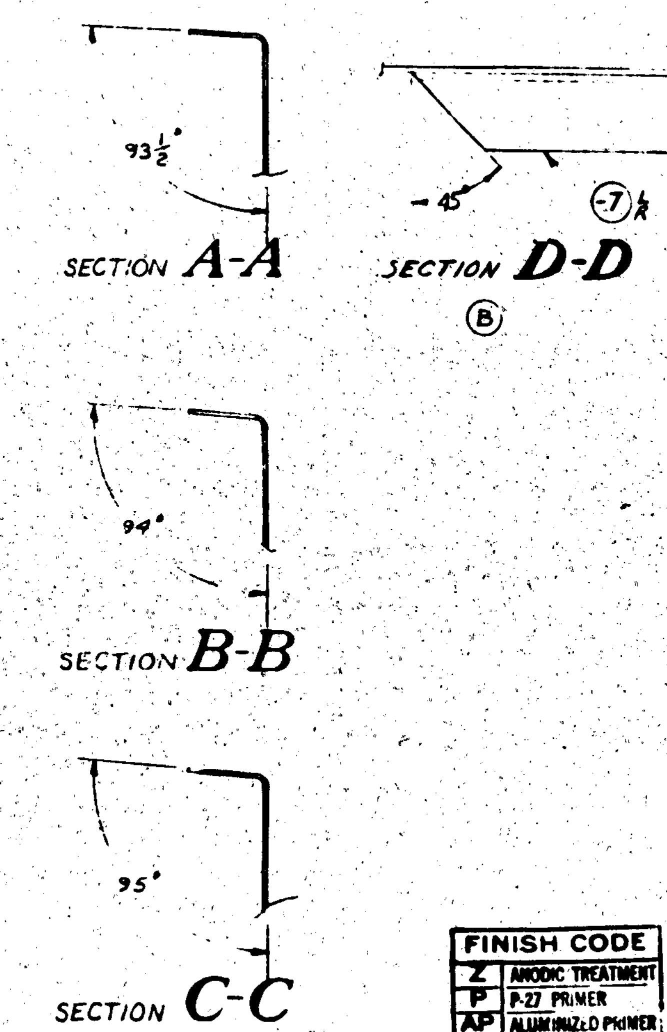
NAME: BLKD. - UPPER FIN STA 10 13/16

G 28T5051

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	CHKD END CUTS ON -7 L&R	10-9-41	[illegible]
				B	ADDED SEC. D-D	"	"





FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE
1) ALL BEND RADII 1/16
2) FLANGE HOLES AND BEADS OPPOSITE TO CONTOUR FLANGES

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28T5002	1
	PBY-5B	28T5002	1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN442-D4								
-7R	Y-2-A18T×22			1				
-7L	Y-2-A18T×22			1				
-6	.025×18×24	ALCLAD	97A8-A	1				

PARTS LIST PER ASSY.

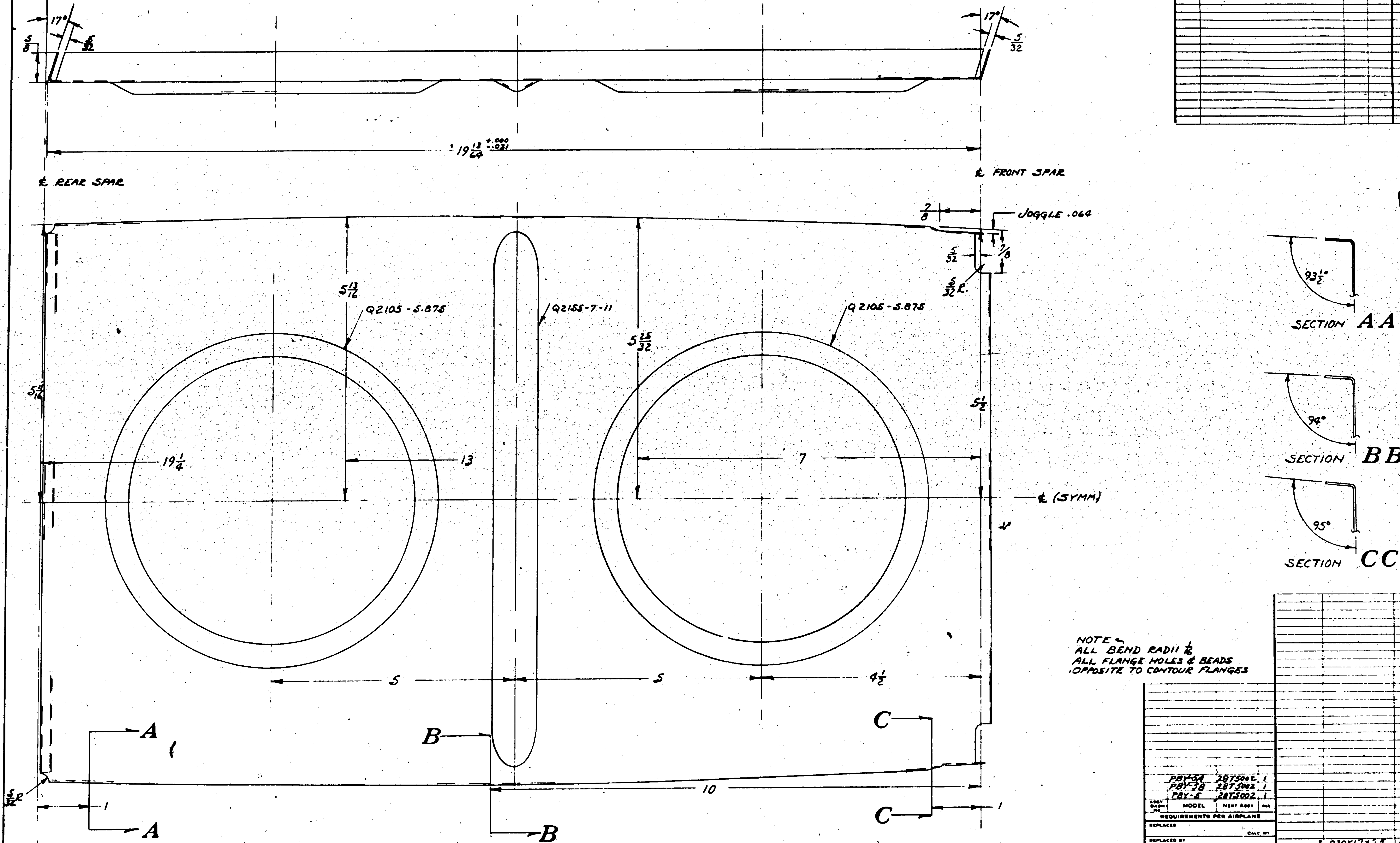
A C						
NAVY	Z-P-2AP	3-4-41			3/18/41	3/19/41
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV / ENG

NAME: BLKD. - UPPER FIN STA 15

OPP HAND — DWG. SIZE G — 28T5052

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE –
ALL BEND RADII 1/16
ALL FLANGE HOLES & BEADS
OPPOSITE TO CONTOUR FLANGES

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5A	28T5002	1
	PBY-5B	28T5002	1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/64 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
3	.020×17×25	ALCLAD	4748-A					

PARTS LIST PER ASSY.

A C

NAVY

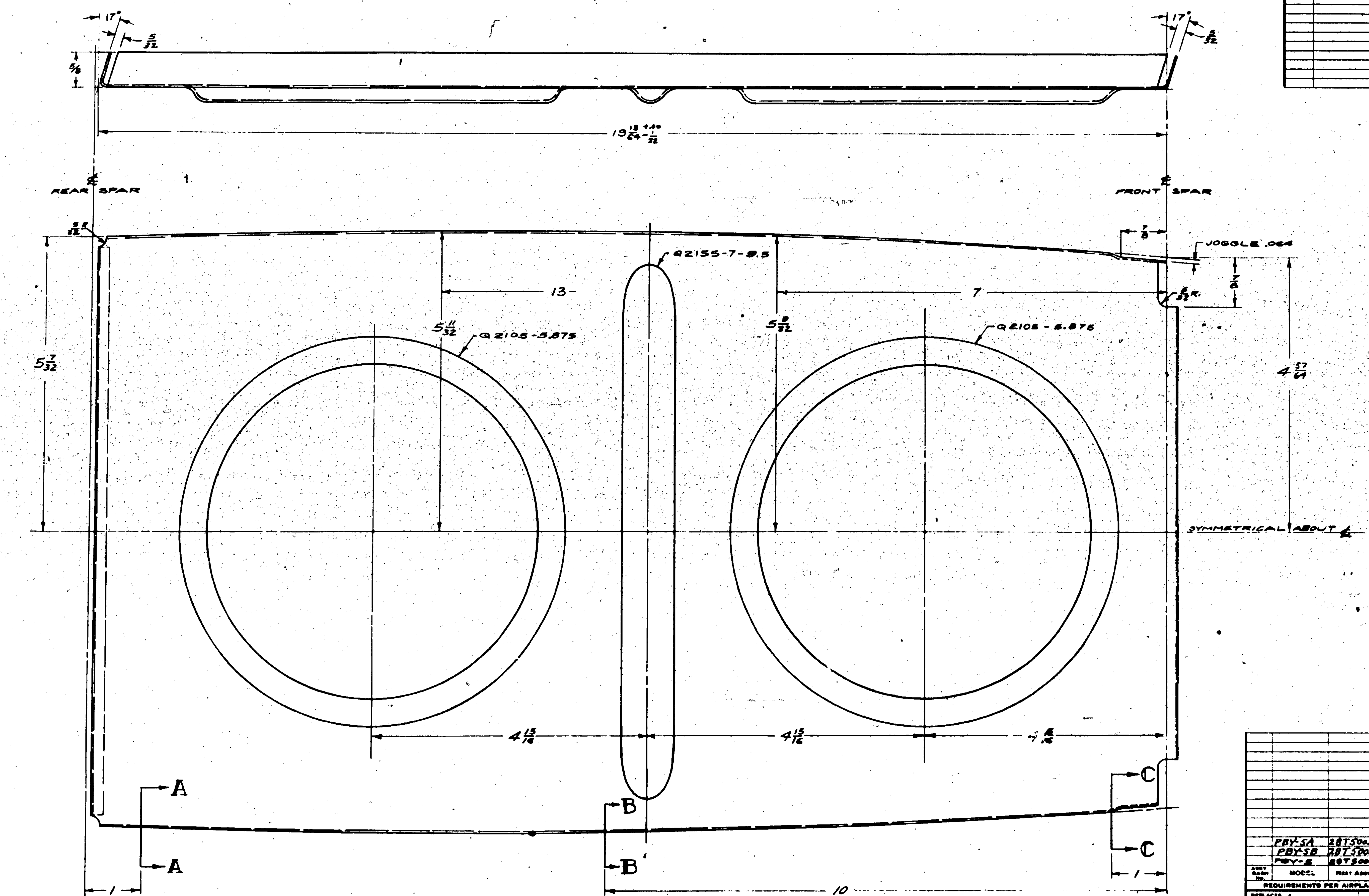
HEAT TREAT — FINISH: Z-P-2AP — DRAFT 3-5-40 — CHECK — STRUCT — MAT — APPROV — ENG

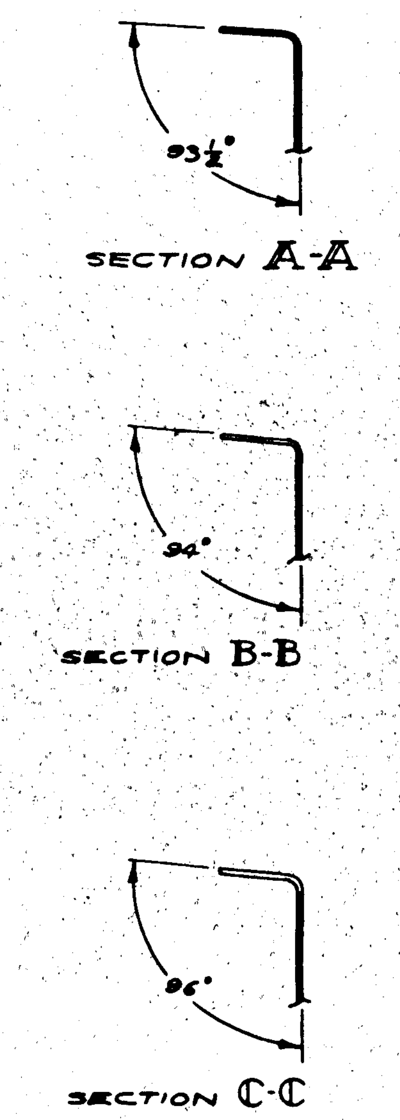
NAME: BULKHEAD UPPER FIN - STATION 22 5/16

OPP HAND

DWG SIZE G — 28T5053

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF





NOTE: ALL BEND RADII 1/16.
FLANGE HOLES & BEADS
OFF. TO CONTOUR FLANGES.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28T5002	1
	PBY-5B	28T5002	1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/64 — SCALE: 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.020x16x25	ALCLAD	47A8-A					

PARTS LIST PER ASSY.

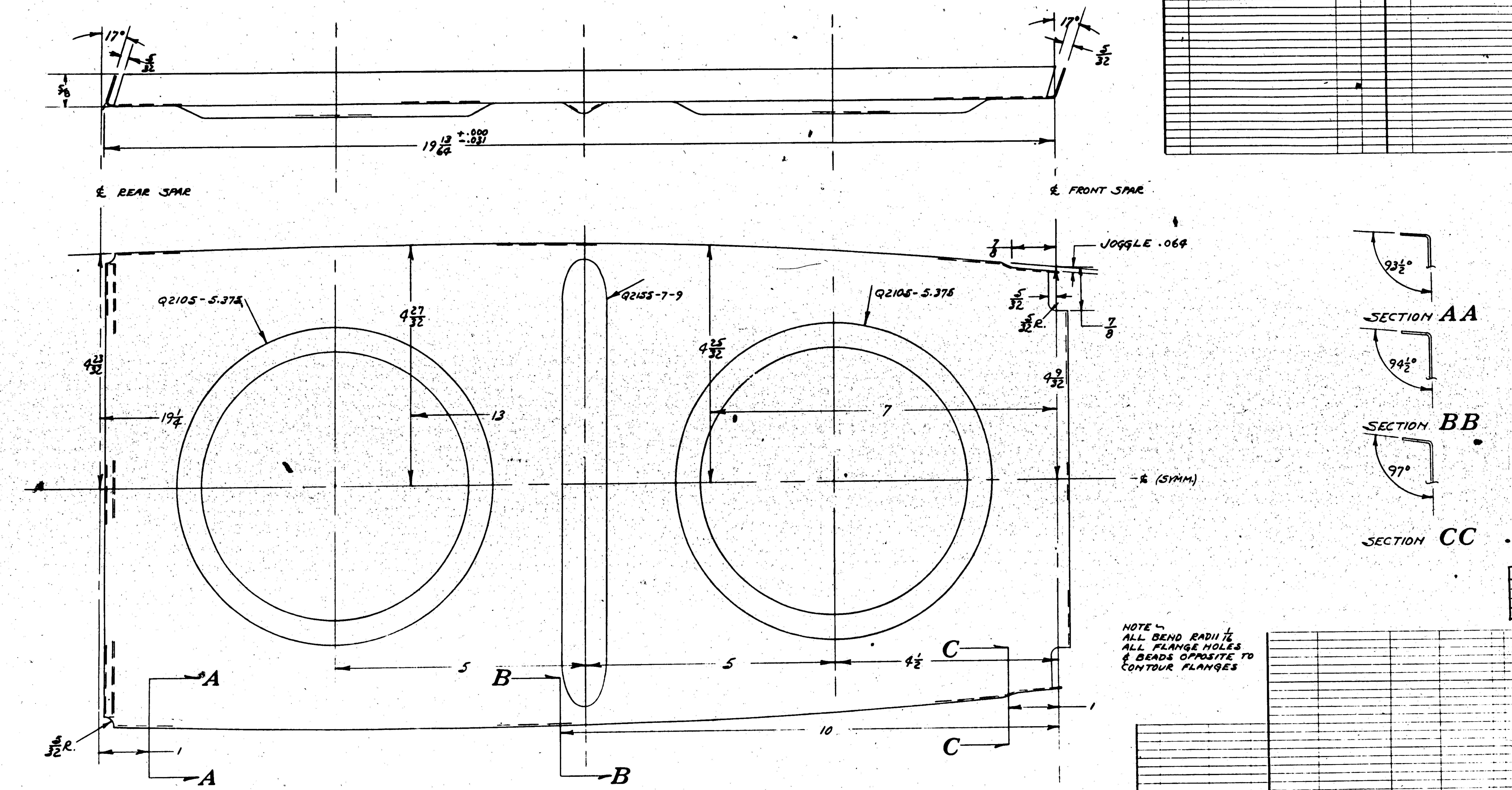
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
A C / NAVY	Z-P-2AP	Royce 3-5-40	[illegible]	[illegible]	4/10/40	3/1/40	[illegible]

NAME: BLKD-UPPER FIN-STA. 29 5/8

OPP HAND — SIZE G — 28T5054

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.

R



NOTE –
ALL BEND RADII 1/16
ALL FLANGE HOLES & BEADS OPPOSITE TO CONTOUR FLANGES

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	PBY-5B	28T5002	1
	PBY-5A	28T5002	1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/64 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.020 X 15 X 25	ALCLAD	47AB-A					

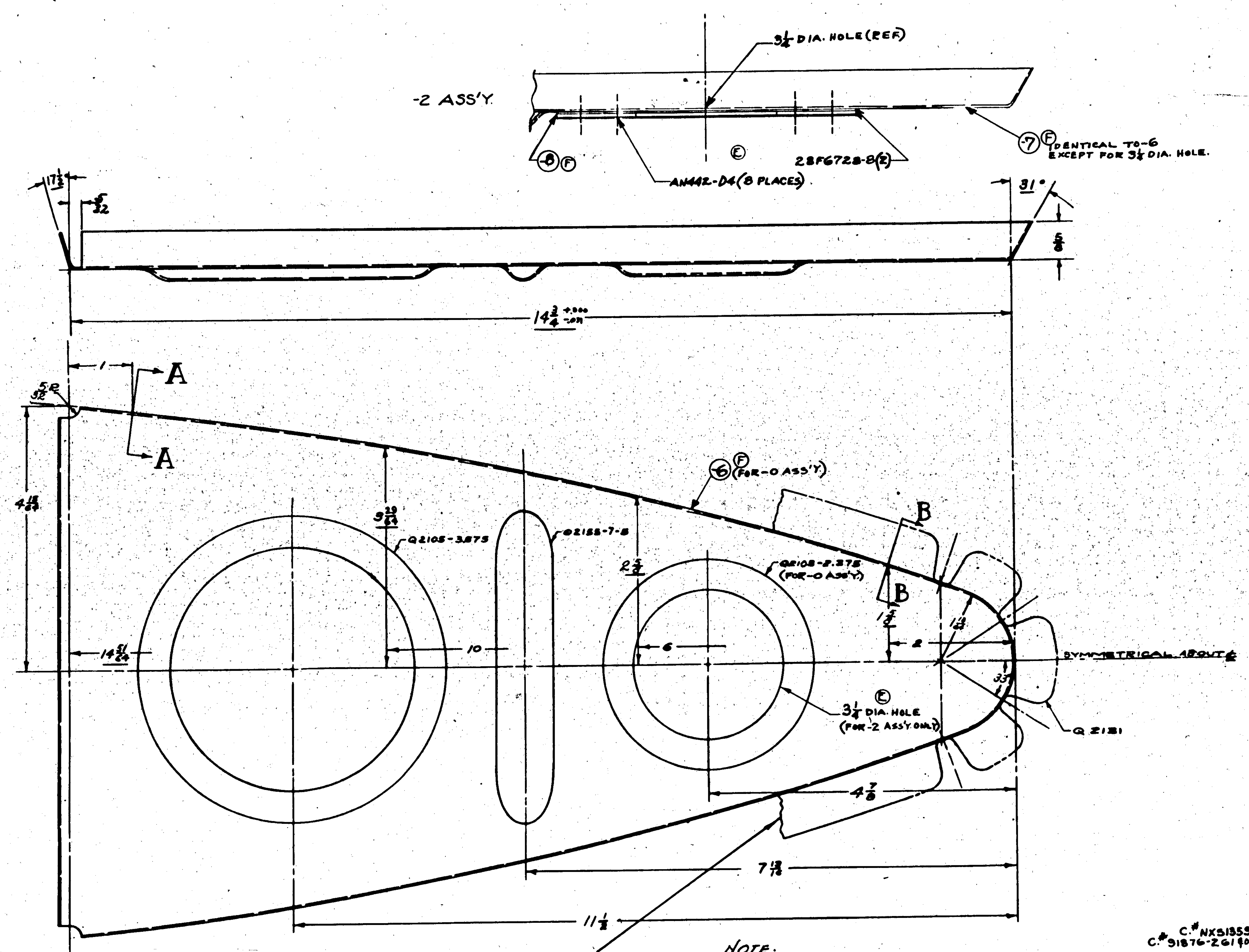
PARTS LIST PER ASSY.

A C			
NAVY			
HEAT TREAT	Z-P-2AP (FINISH)	DRAFT 3-5-40	CHECK / STRUCT / MAT / APPROV / ENG

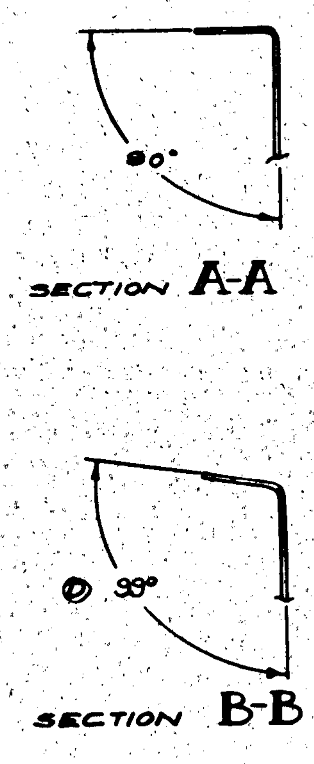
NAME BULKHEAD UPPER FIN - STATION 36 15/16

OPP HAND — DWG SIZE G — 28T5055

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF



NOTE.
SEE DWG. 28T5020 FOR ALTERNATE FLANGING METHOD



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE: ALL BEND RADII 1/16. FLANGE HOLES & BEADS OPPOSITE TO CONTOUR FLANGES.

LET	ALTERATION	DATE	BY
A	CHGD. FOLLOWING DIMS. :- 14¾ WAS 15; 31° " 30°; 17½° " 16°; 14 9/64 " 15 3/64; 3 39/64 " 3 17/32; 2 11/32 " 2 45/64; 1 15/32 " 1 35/64		
B	2⅝ DIM. WAS 2 ; 1⅜ DIM. WAS 1 (CHANGED PER. NORTHROP E.O. 366.)		
C	ADDED NOTE REGARDING ALTERNATE FLANGING		
D	CHANGED 103° TO 99° SECT B-B		Frick
E	CREATED-2 ASS'Y. WT. CHG.		
F	ASSIGNED -6 & -7 TO PARTS & -8 FOR NEOP (IN-2 ASS'Y.) No WT. CHG.		

	MODEL	NEXT ASSY.	REQ.
-2	PBY-5A	28T5002	1
-2	PBY-5		1
-0	28-5AMN		1
-0	PBY-5B		1
-0	28-5AMC		1
-0	28-5MN		1
-0	28-5ME		1
-0	28-5MC		1
-0	28-5MA		1
-0	PBY-5A		1
-0	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

C.# NX513595
C.# 91876-Z6140N
C.# 70496-77713-88476
C.# 70496-91876-1To260

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN442-D4								
28F6728-8					2			
-8	2⅞ I.D. x 4⅜ O.D. x 1/16	ASBESTOS	A.C. MS-1325		1			
-7	.020 x 14 x 22	ALCLAD	47A8-A		1			
-6	.020 x 14 x 22	ALCLAD	47A8-A	1				

PARTS LIST PER ASSY.

SCALE 12" = 1'0"
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64
STAMP PART NUMBER WHERE SHOWN

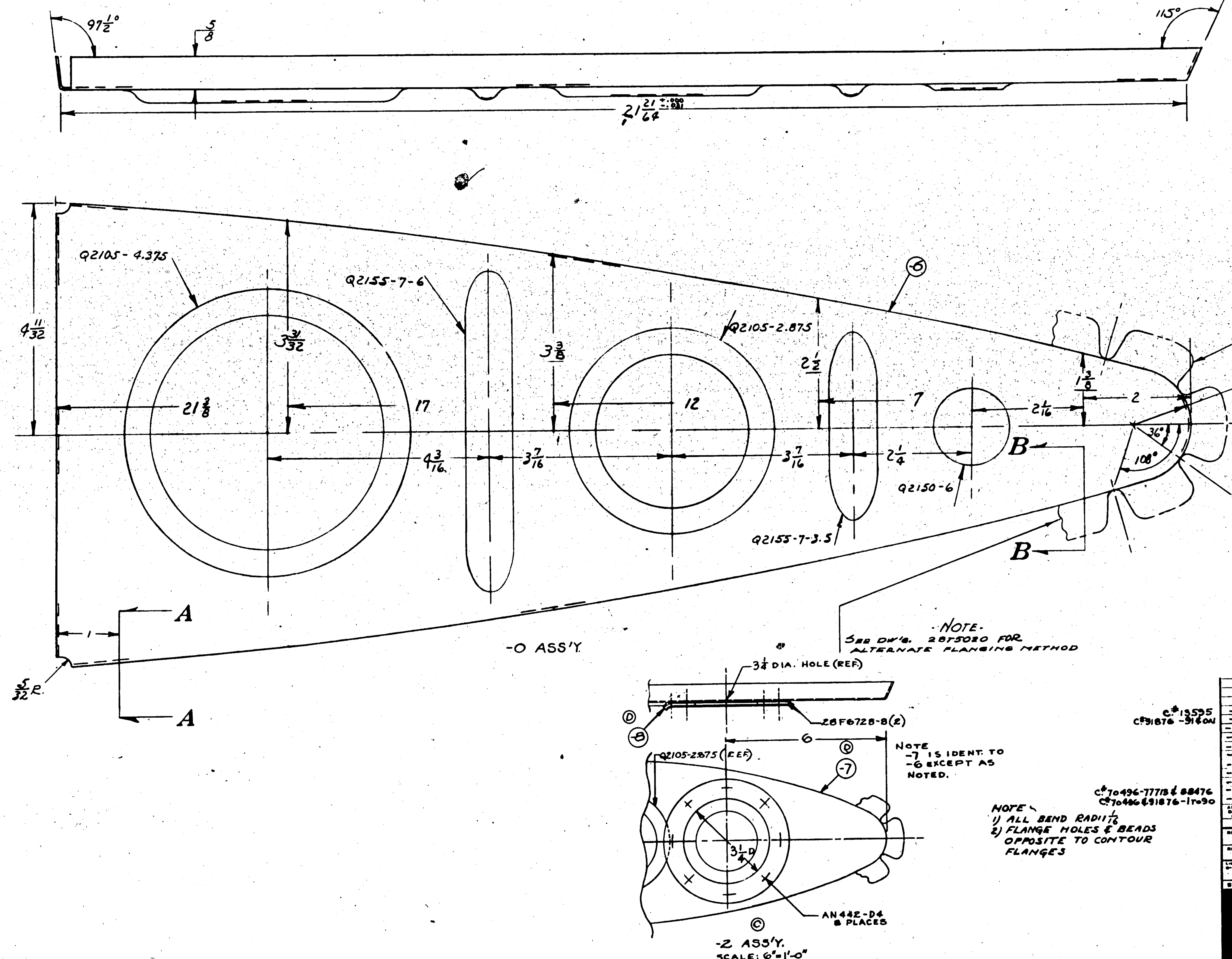
FINISH: Z-P-2AP
DRAFT: 3-6-40

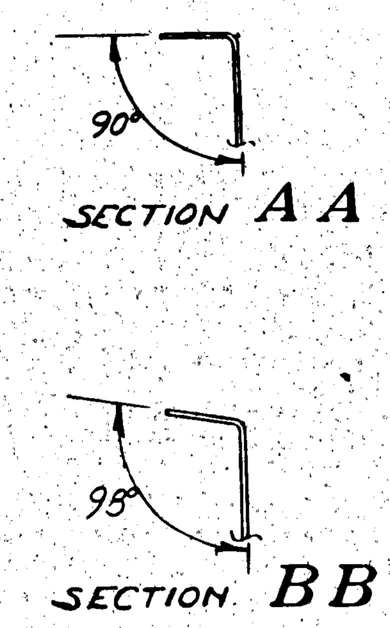
NAME: TIP RIB - UPPER FIN - SECOND FROM FRONT

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

DWG. SIZE G — 28T5057

LET	ALTERATION	DATE	BY
A	CHGD. OFFSET DIMS. - 3 3/8 WAS 3 11/32 -- 2 1/2 WAS 2 15/32 -- 1 3/8 WAS 1 11/32	[illegible]	[illegible]
B	ADDED NOTE REGARDING ALTERNATE FLANGING	[illegible]	[illegible]
C	CREATED -2 ASS'Y. NEG. WT. CHG.	[illegible]	[illegible]
D	ASSIGNED -6 & -7 TO PART 6-8 FOR NEOP. NO WT. CHG.	[illegible]	[illegible]





FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO	MODEL	NEXT ASSY	REQ.
-2	PBY-5A	28T5002	1
-2	PBY-5		1
-0	28-5AMN		1
-0	PBY-5B		1
-0	28-5AMC		1
-0	28-5MN		1
-0	28-5ME		1
-0	28-5MC		1
-0	28-5MA		1
-0	PBY-5A		1
-0	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/64 — SCALE AS NOTED 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2
AN442-D4					8
28F6728-8					2
-8	2 1/4 ID x 4 3/4 OD x 1/16	[illegible]	CAC# FAB-B-25		1
-7	.020 x 14 x 27	ALCLAD	47AB-A		1
-6	.020 x 14 x 27	ALCLAD	47AB-A	1	

PARTS LIST PER ASSY.

A C — NAVY — HEAT TREAT

FINISH: Z-P-2AP

DRAFT / CHECK / STRUCT / MAT / APPROV / ENG: 3-6-40 [illegible]

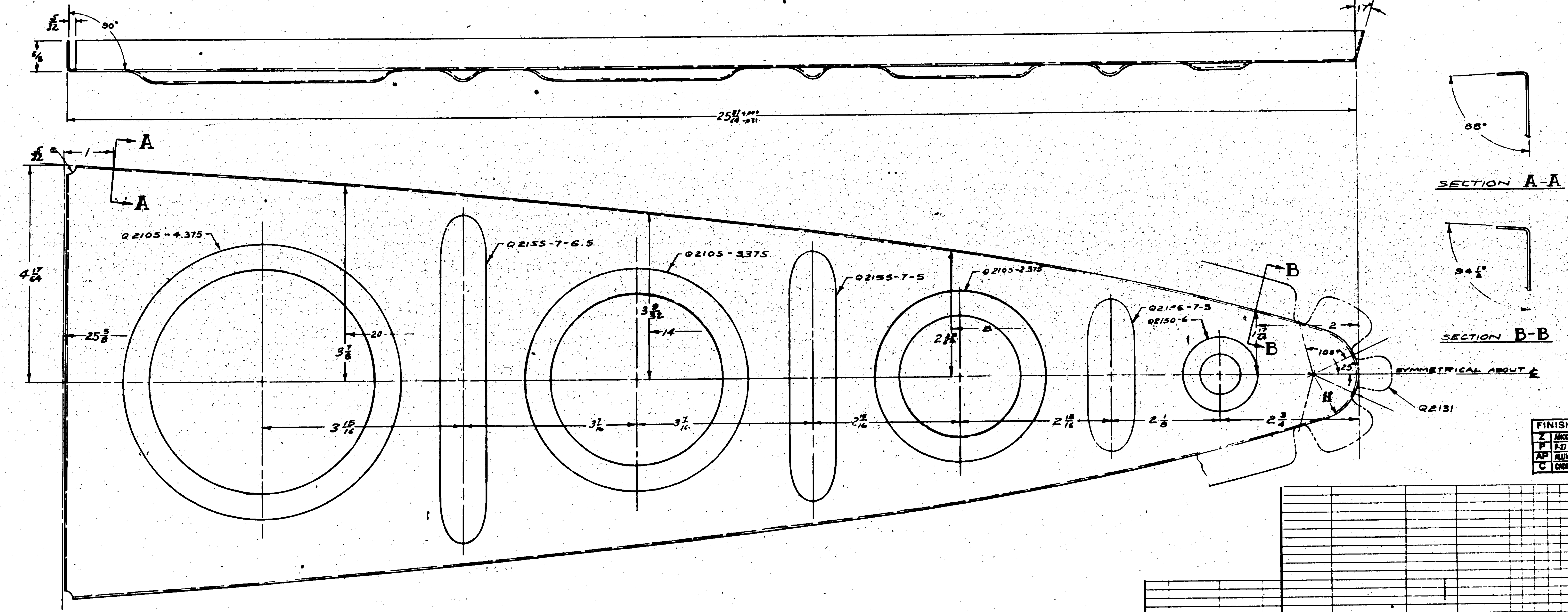
OPP HAND —

NAME: TIP RIB - UPPER FIN THIRD FROM FRONT

DWG SIZE: G — 28T5058

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

R



NOTE: ALL BEND RADII 1/16.
FLANGE HOLES & BEADS
OPPOSITE TO CONTOUR
FLANGES.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	28T5002	1
	PBY-5B	28T5002	1
	PBY-5	28T5003	1

REQUIREMENTS PER AIRPLANE

REPLACES — .41 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
	.025 X 14 X 32	ALCLAD	47A8-A	1				

PARTS LIST PER ASSY.

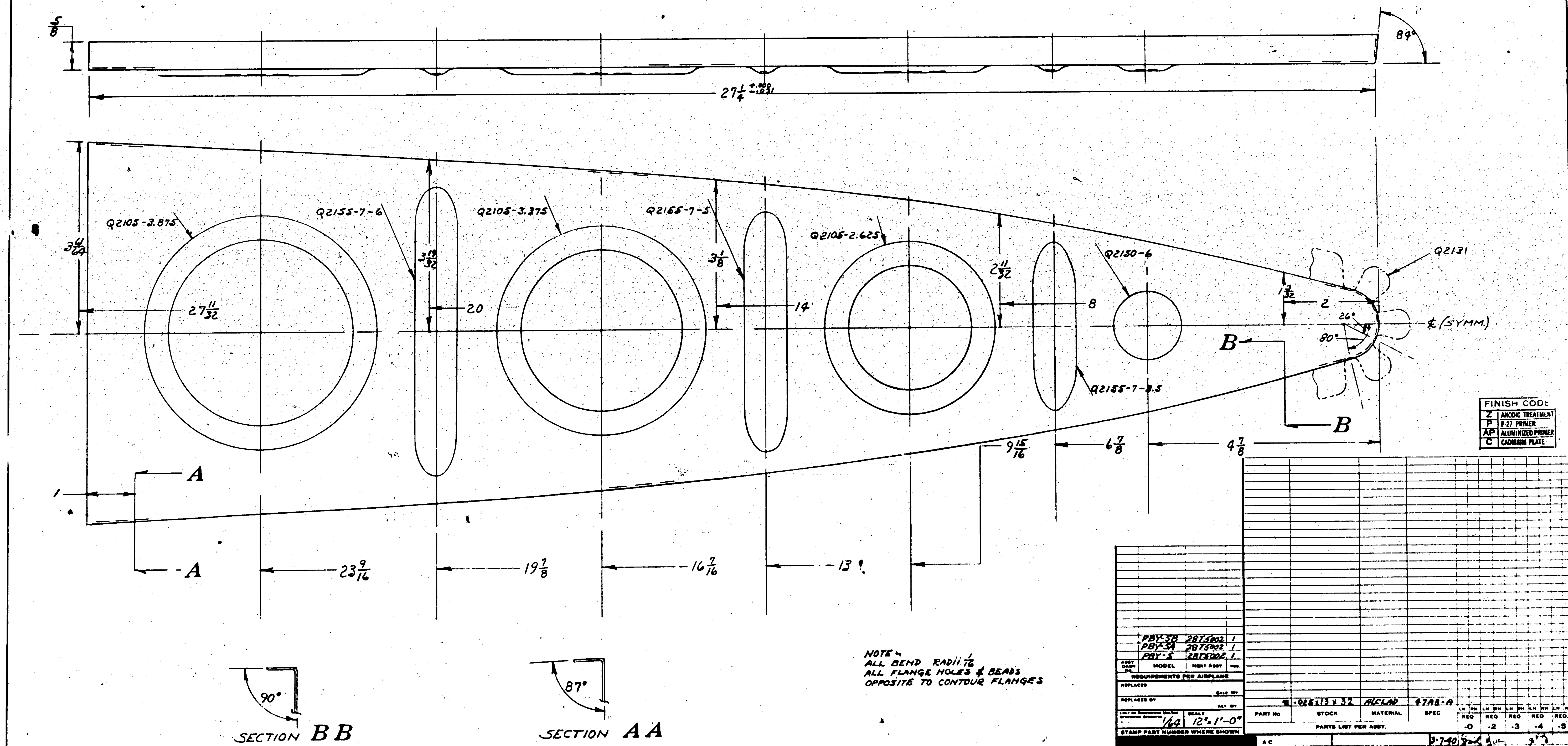
A C			8-7-40					
NAVY	Z-P-2AP		ROYCE					
HEAT TREAT	FINISH		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME TIP RIB - UPPER FIN - FOURTH FROM FRONT

OPP HAND

DWG SIZE G — 28T5059

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5B	28T5002	1
	PBY-5A	28T5002	1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/64 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	LH RH REQ	LH RH REQ	LH RH REQ	LH RH REQ	LH RH REQ
	.025 x 13 x 32	ALCLAD	47A8-A	-0	-2	-3	-4	-5

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY		3-7-40					
HEAT TREAT	FINISH Z-P-2AP						

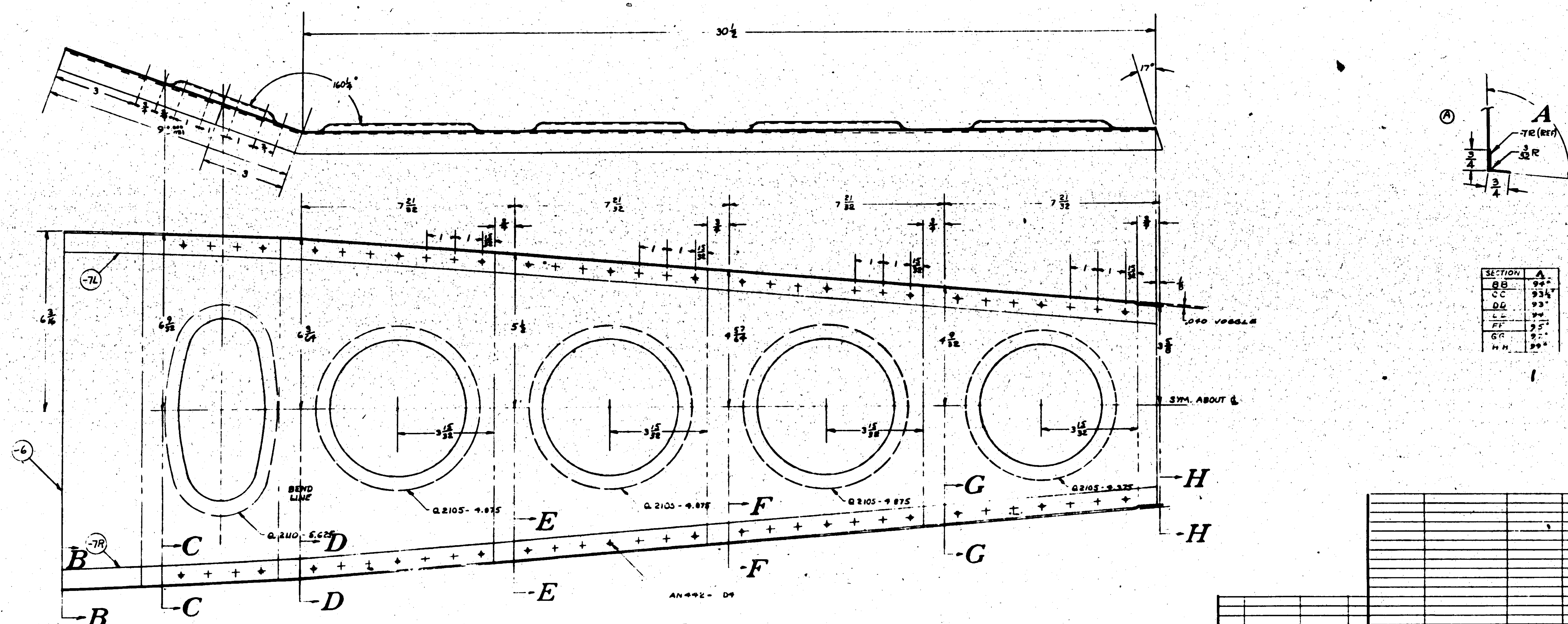
NAME TIP SPAR UPPER FIN REAR

OPP HAND

DWG SIZE G — 28T5060

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				A	IN B/M, FOR -7L & -7R, REPLACED ... X44 EXTRUSION, AA83-T" WITH .072 X1 5/8 X44, 24ST ALC SHT, SPEC QQ-A-362 ... TO FACE. ADDED ... -7E. BRO'T RELEASES UP TO DATE. WT CHG NEG	[illegible]	[illegible]



FINIS CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

FINISH NOTE:-
Z-P IN DETAIL
AP AFTER ASS'Y.

NOTE
FLANGE HOLES OPPOSITE
TO CONTOUR FLANGES

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	28-5AMA, AMC	28T5002	1EA.
	28-5ME, MN	28T5002	1EA.
	28-5MA, MC	28T5002	1EA.
	PBY-5B	28T5002	1
	PBY-5A	28T5002	1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.57 CALC. WT.
REPLACED BY — ACT. WT.
SCALE 6" = 1'0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN442-D4								
-7R	.072 X 1 5/8 X 44	24ST ALC SHT	QQ-A-362 COND T	1				
-7L	.072 X 1 5/8 X 44	24ST ALC SHT	QQ-A-362 COND T	1				
-6	.032 X 16 X 44	ALCLAD	47A8-A	1				

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.
NAVY	NOTED	3-6-40					
HEAT TREAT	FINISH						

NAME: SPAR - UPPER FIN FRONT

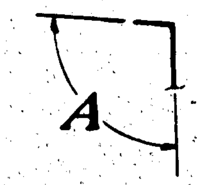
OPP. HAND

DWG. SIZE G — 28T5061

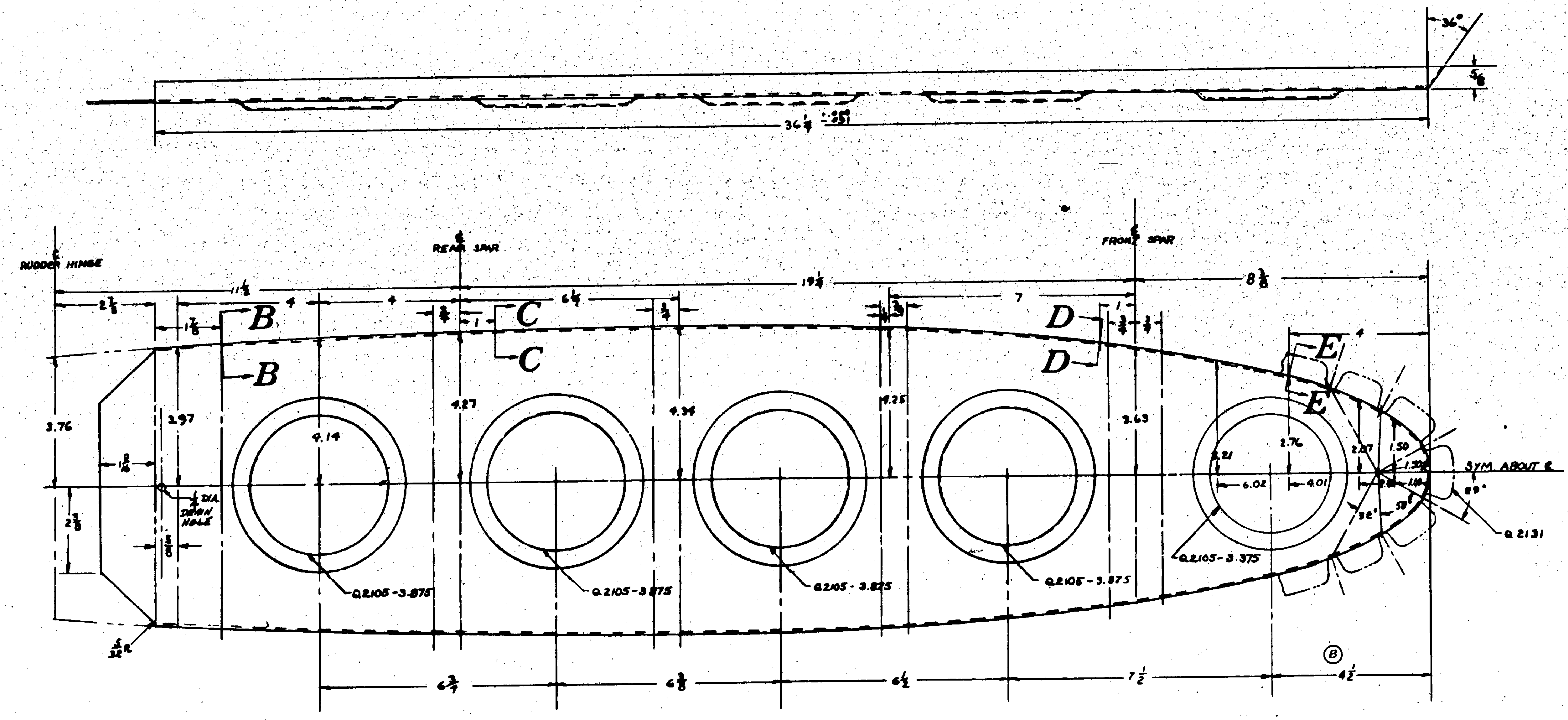
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

LET	ALTERATION	DATE	BY
A	ADDED 1/4 HOLE & LOCATING DIM.	10-16-40	[illegible]
B	DIM 4½ WAS 4 3/4 & 7½ WAS 7 3/4		
	WT. CHG. NEG	10/24/[illegible]	[illegible]

PBY-5 EO 2346



SECTION	A
BB	93½°
CC	93½°
DD	98°
EE	101°



FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE
1) ALL BEND RADII 1/16
2) FLANGE ALL HOLES OPPOSITE TO CONTOUR FLANGES

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
	28-5MA	28T5002	1
	25-5MC	↕	1
	28-5ME		1
	28-5MN		1
	28-5AMC		1
	28-5AMN		1
	PBY-5B		1
	PBY-5A		1
	PBY-5	28T5002	1

REQUIREMENTS PER AIRPLANE

REPLACES — .77 CALC. WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/64 — SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	.051 x 14 x 42	ALCLAD	47A8-A	1				

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY	Z-P-2AP	[signature] 7-40	[signature]	[signature]	[signature] 3/14/41	[signature] 3/15/41	
HEAT TREAT	FINISH						

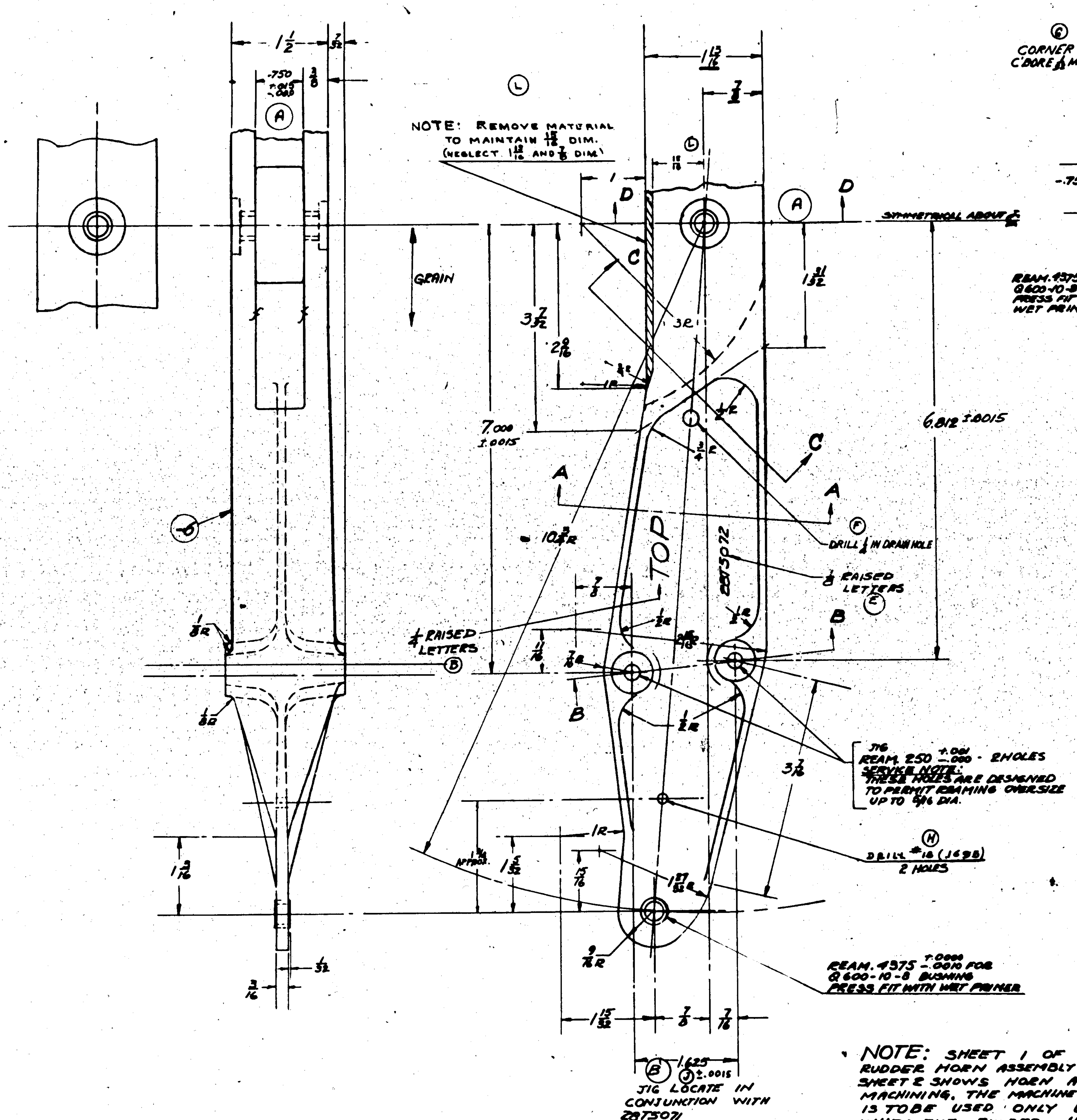
NAME: RIB – UPPER FIN HINGE SUPPORT

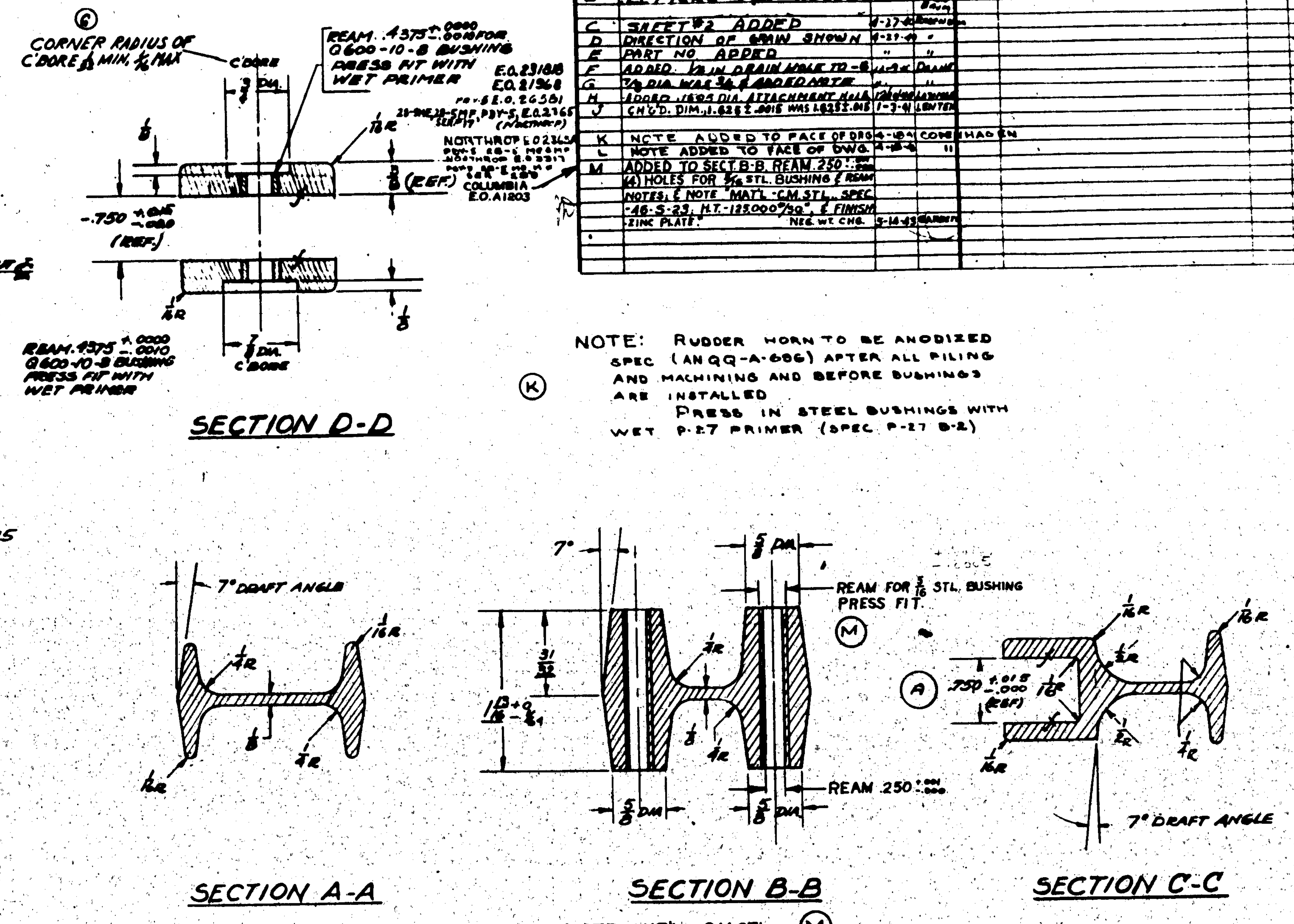
OPP. HAND

DWG. SIZE G — 28T5064

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R





LET	ALTERATION	DATE	BY
A	SLOT REDESIGNED TO FACILITATE MACHINING	4-26-40	[illegible]
B	LETTERS "TOP" ADDED	4-26-40	[illegible]
C	SHEET #2 ADDED	4-27-40	[illegible]
D	DIRECTION OF GRAIN SHOWN	4-29-40	"
E	PART NO. ADDED	"	"
F	ADDED 1/8 IN DRAIN HOLE TO -6	[illegible]	[illegible]
G	7/8 DIA WAS 3/4 & ADDED NOTE	"	"
H	ADDED .1695 DIA. ATTACHMENT HOLE	[illegible]	[illegible]
J	CHG'D. DIM. 1.625 ±.0015 WAS 1.625 ±.015	1-3-41	LENTEN
K	NOTE ADDED TO FACE OF DRG	4-10-41	COWE
L	NOTE ADDED TO FACE OF DWG.	4-15-41	"
M	ADDED TO SECT. B-B, REAM .250 +.001 −.000 (4) HOLES FOR 5/16 STL. BUSHING & REAM NOTES, & NOTE "MAT'L -C.M. STL., SPEC -46-S-23, H.T.-125,000#/SQ", & FINISH -ZINC PLATE". NEG. WT. CHG.	5-14-43	[illegible]

NOTE: RUDDER HORN TO BE ANODIZED SPEC (AN-QQ-A-696) AFTER ALL FILING AND MACHINING AND BEFORE BUSHINGS ARE INSTALLED.
PRESS IN STEEL BUSHINGS WITH WET P-27 PRIMER (SPEC. P-27 B-2)

NOTE: MAT'L. -C.M. STL.
SPEC.-46-S-23
HEAT TREAT- 125,000#/SQ."
FINISH -ZINC PLATE.

NOTE: SHEET 1 OF THIS DRAWING SHOWS RUDDER HORN ASSEMBLY AS MADE WITH -6 FORGING. SHEET 2 SHOWS HORN ASSEMBLY AS MADE WITH -7 MACHINING. THE MACHINED HORN AS SHOWN ON SHEET 2 IS TO BE USED ONLY UNTIL -6 FORGINGS ARE AVAILABLE WHEN THE RUDDER HORN ASSEMBLY IS TO BE MADE AS SHOWN ON SHEET 1.

SP GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

REQUIREMENTS PER AIRPLANE

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	28-5AMN	28T5078	1
	28-5AMC	28T5078	1
	28-5MN	28T5078	1
	28-5MC	28T5078	1
	28-5MA	28T5078	
	PBY-5B	28T5078	1
	PBY-5A	28T5078	1
	28-5-ME	28T5078	1
	PBY-5	28T5078	1

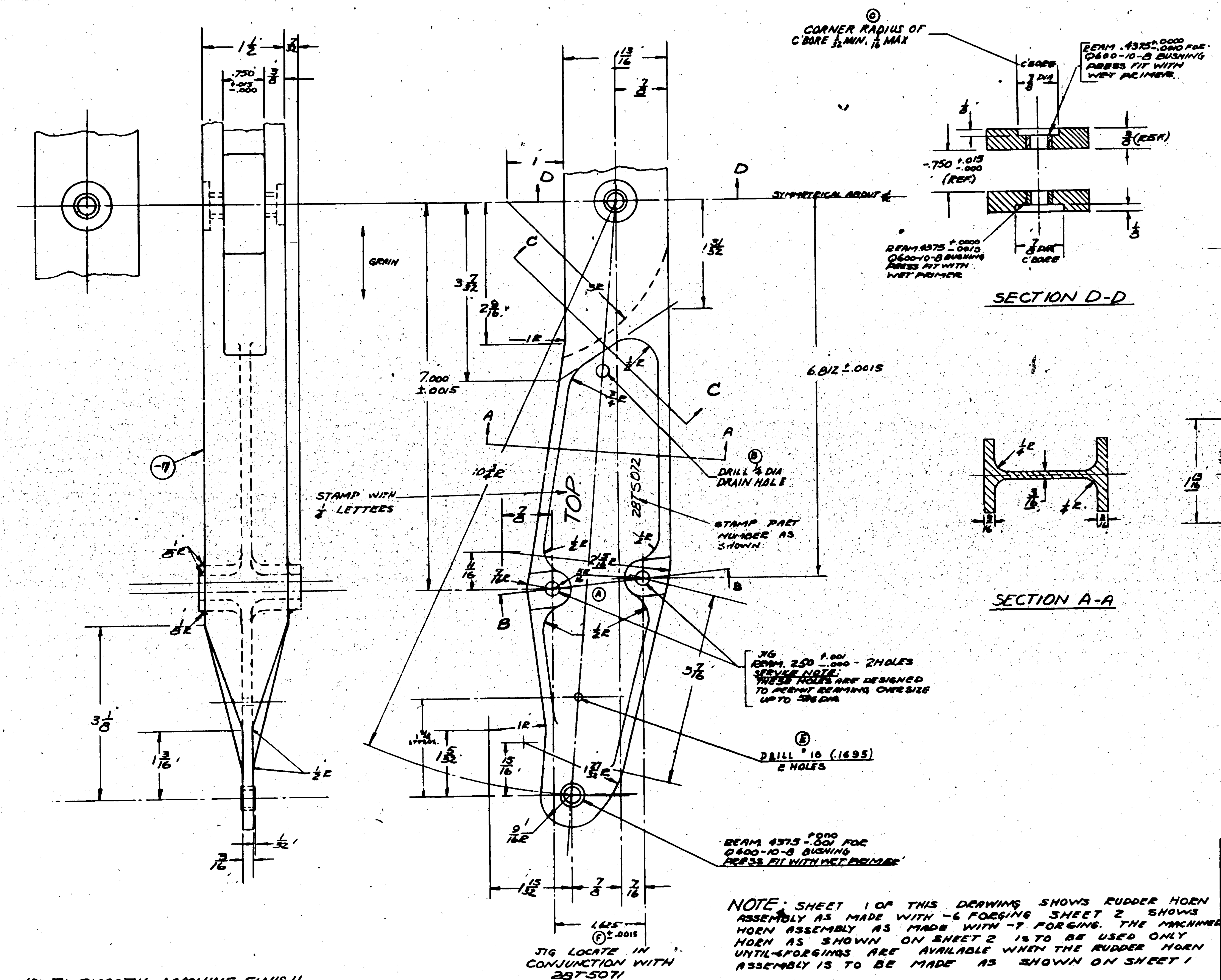
PARTS LIST PER ASSY.

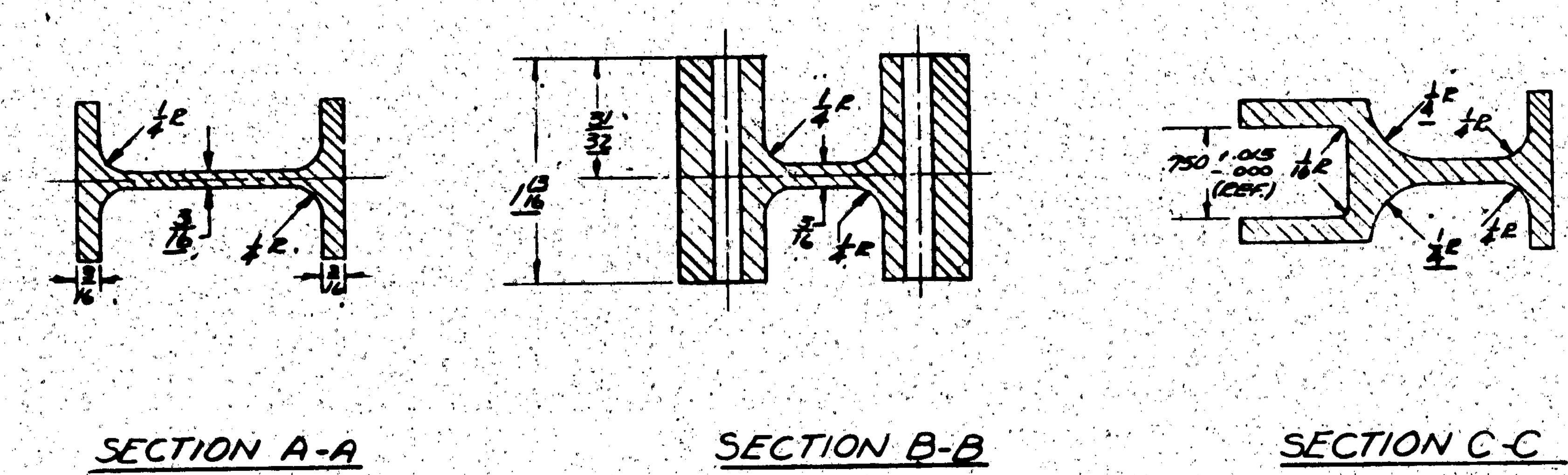
PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
Q600-10-8				4				
-6	FORGING	AL. ALLOY MT	M-277	1				

REPLACES — CALC WT
REPLACED BY — ACT WT
SCALE 12"=1'-0"
STAMP PART NUMBER WHERE SHOWN

A C		
NAVY	Z-P- 2 [illegible]	
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

NAME: **RUDDER HORN - ASSY- (MACHINED FORGING)**
DWG. G — 28T5072 SHEET 1 OF 2
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.





NOTE: SHEET 1 OF THIS DRAWING SHOWS RUDDER HORN ASSEMBLY AS MADE WITH -6 FORGING SHEET 2 SHOWS HORN ASSEMBLY AS MADE WITH -7 FORGING. THE MACHINED HORN AS SHOWN ON SHEET 2 IS TO BE USED ONLY UNTIL -6 FORGINGS ARE AVAILABLE WHEN THE RUDDER HORN ASSEMBLY IS TO BE MADE AS SHOWN ON SHEET 1

NOTE: SMOOTH MACHINE FINISH ALL OVER

LET	ALTERATION	DATE	BY
A	[illegible] BOSS AT SEC. H-H EXTENDED TO OUTSIDE EDGE - ADDED [illegible] SHEET #2 ONLY	[illegible]	[illegible]
B	ADDED [illegible] DIA DRAIN HOLE [illegible]	[illegible]	[illegible]
C	[illegible] DIA WAS [illegible] & ADDED NOTE	"	"
D	1/32 TOLERANCE WAS .010	"	"
E	ADDED .1695 DIA. ATTACHMENT HOLE	12-[illegible]	[illegible]
F	CHGD. DIM. 1.625±.0015 WAS 1.625±.015	1-3-41	[illegible]

GP-GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5B	28T5078	1
	PBY-5A	28T5078	1
	PBY-5	28T5078	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC. WT.

REPLACED BY — ACT. WT.

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
Q600-10-B				4				
-7		24ST [illegible]	46A9T	1				

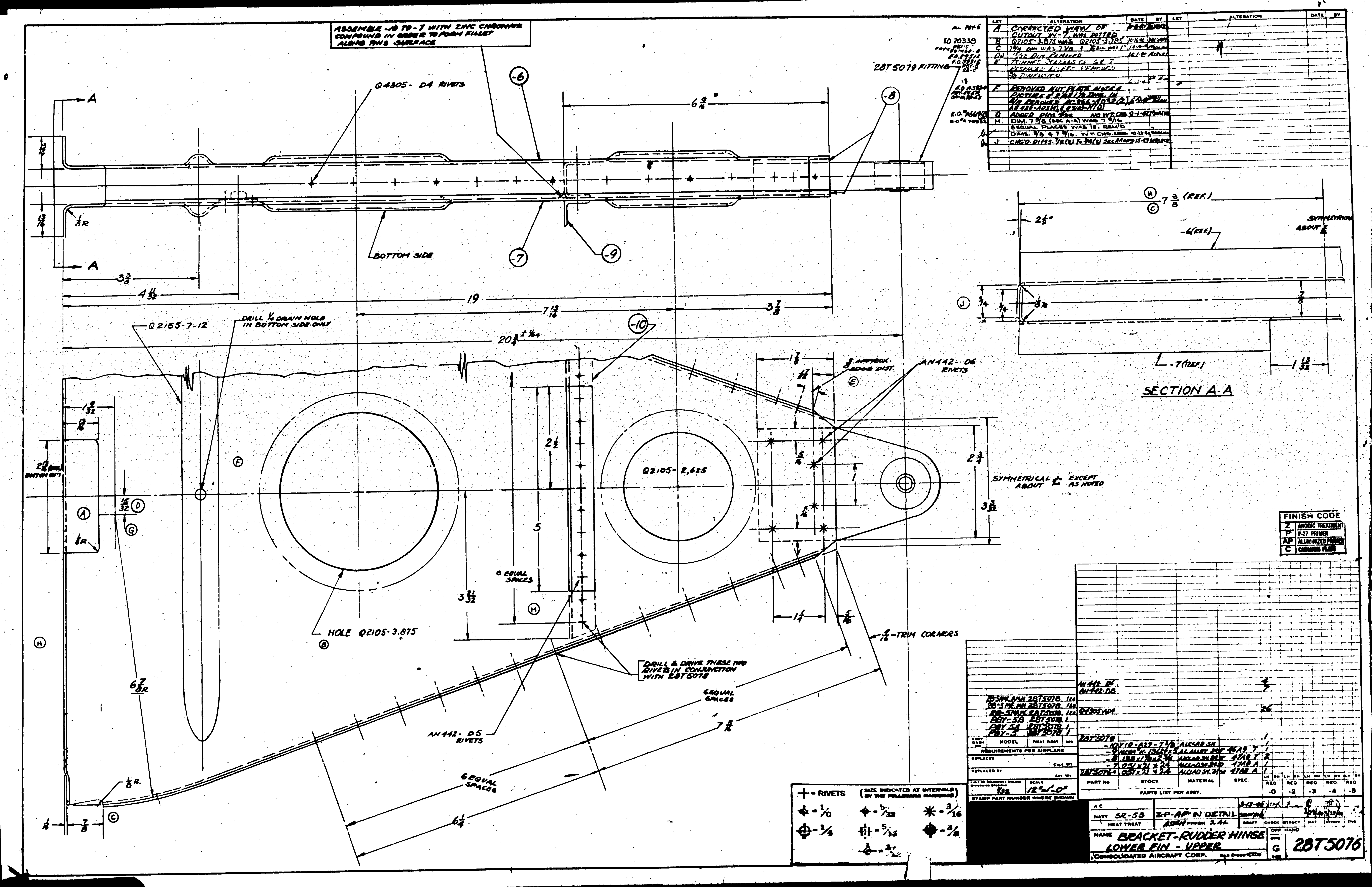
PARTS LIST PER ASSY.

AC		1-27-40					
NAVY NONE	Z-P-2 [illegible] GP						
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT.	MAT.	APPROV.	ENG.

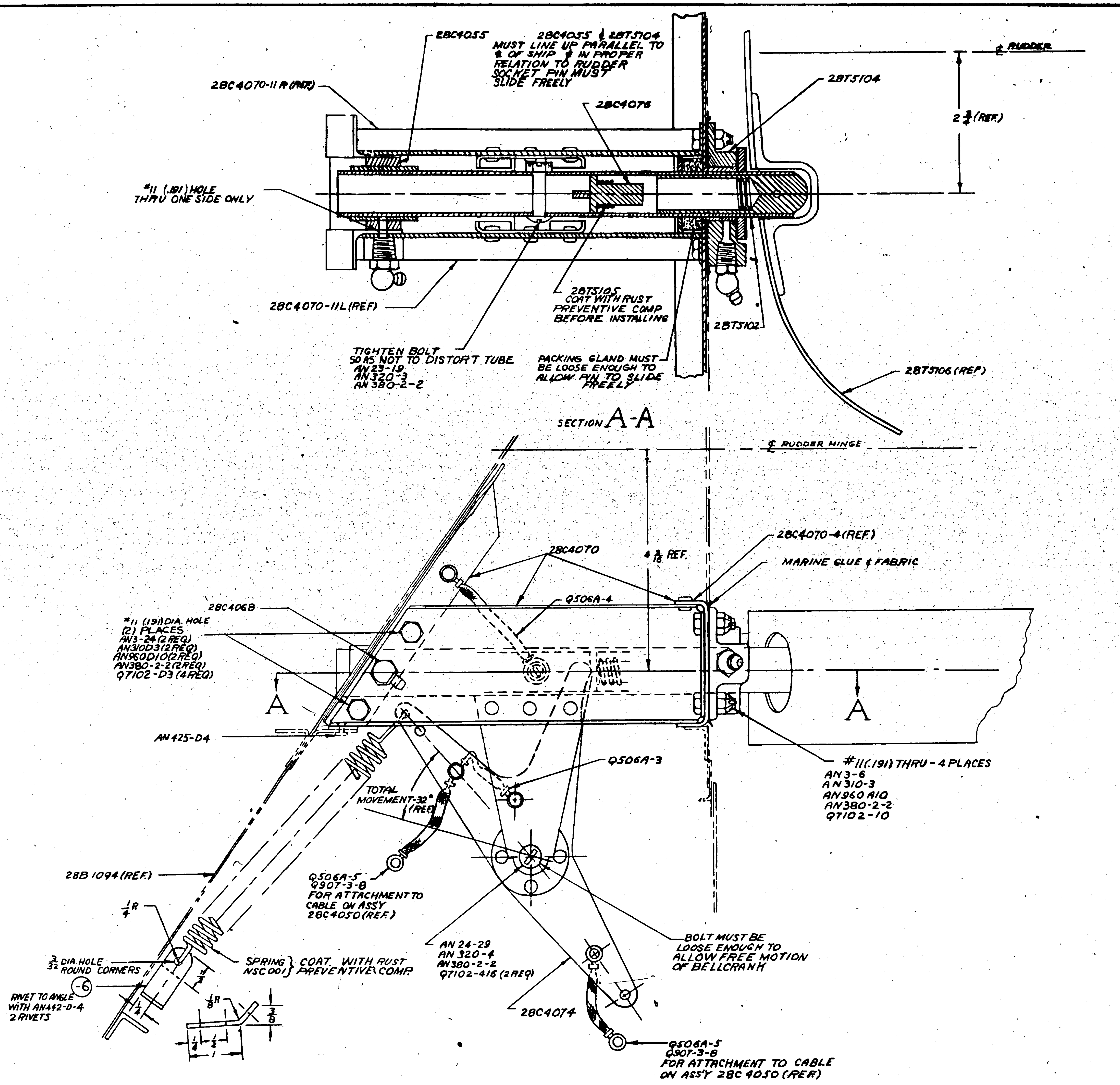
NAME: RUDDER HORN ASSEMBLY (MACHINED)

DWG. G 28T5072 SHEET 2 OF 2

CONSOLIDATED AIRCRAFT CORP. (SAN DIEGO, CALIF.)



ASSEMBLE -10 TO -7 WITH ZINC CHROMATE COMPOUND IN ORDER TO FORM FILLET ALONG THIS SURFACE
Q4305- D4 RIVETS
28T5079 FITTING
BOTTOM SIDE
DRILL 1/4 DRAIN HOLE IN BOTTOM SIDE ONLY
Q2155-7-12
AN442- D6 RIVETS
SECTION A-A
SYMMETRICAL ℄ ABOUT EXCEPT AS NOTED
Q2105- 2.625
HOLE Q2105-3.875
8 EQUAL SPACES
DRILL & DRIVE THESE TWO RIVETS IN CONJUNCTION WITH 28T5078
6 EQUAL SPACES
AN442- D5 RIVETS
TRIM CORNERS
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
RIVETS (SIZE INDICATED AT INTERVALS BY THE FOLLOWING MARKINGS)
CORRECTED VIEW OF CUTOUT IN -7. WAS DOTTED
Q2105-3.875 WAS Q2105-3.785
ADDED DIM
NAVY SR-58
Z-P-AP IN DETAIL
BRACKET-RUDDER HINGE LOWER FIN - UPPER
CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.
G
28T5076



LET	ALTERATION	DATE	BY
A	TRACED, NO WT. CHG.	[illegible]	[illegible]

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
Q506A-3				1
Q506A-4				1
Q506A-5				2
Q907-3-8				2
NSC001				1
Q7102-D3				4
Q7102-416				2
Q7102-10				4
AN310D3				2
AN960D10				2
AN960A10				4
AN380-2-2				8
AN320-4				1
AN310-3				4
AN24-29				1
AN23-19				1
AN3-24				2
AN3-6				4
AN425-D4				2
AN320-3				1
28C4068				1
28C4076				1
28C4074				1
28C4070				1
28C4063				1
28C4055				1
28T5105				1
28T5104				1
28T5102				1
-6	.064 x 5/8 x 1 5/8	ALCLAD	47AB-T	1

PARTS LIST PER ASSY. (REQ. columns: -0, -2, -3, -4, -5, each LH / RH)

ASSY DASH No	MODEL	NEXT ASSY	REQ.
	28-5MN	28C4050	1
	28-5AMC	28C4050	1
	28-5MN	28C4050	1
	28-5ME	28C4050	1
	28-5MC	28C4050	1
	28-5MA	28C4050	1
	PBY-5B	28C4050	1
	PBY-5A	28C4050	1
	PBY-5	28C4050	1

REQUIREMENTS PER AIRPLANE

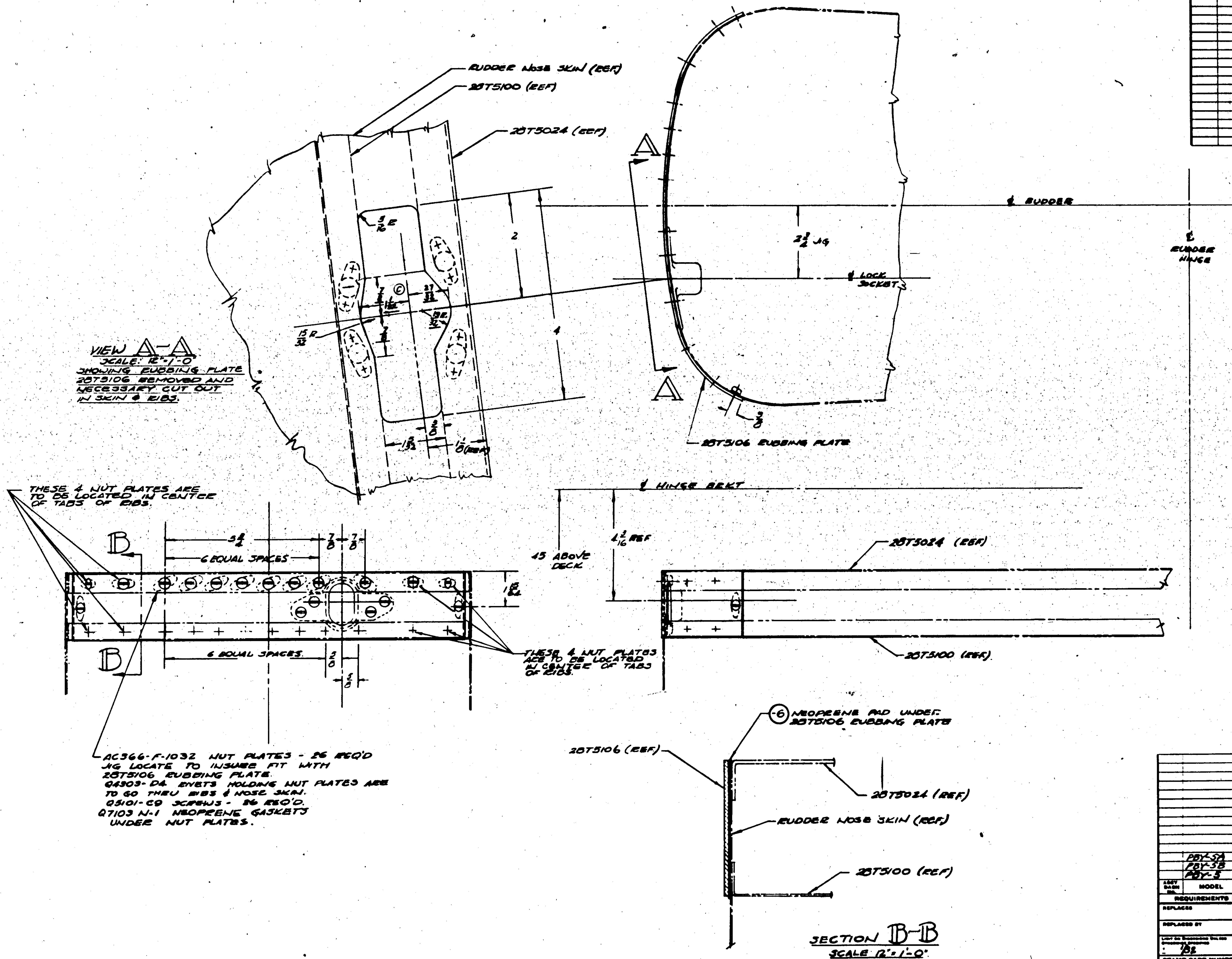
REPLACES 28T5101 of 3-20-40 — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 — SCALE 12" = 1'0"
STAMP PART NUMBER WHERE SHOWN

A C			JMH.	GREER		H.Z.		
NAVY NONE	-6 ONLY: Z-P-GP	3/20/40	S.F.		4/3/40	4/10/40	R
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG

NAME INSTALLATION-RUDDER LOCK CONTROL - TAILPOST
OPP. HAND NONE
DWG SIZE G — 28T5101
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28T5101

LET	ALTERATION	DATE	BY
A	Q4303-D4 RIVETS WERE Q4303-D3	[illegible]	[illegible]
B	CHGD. DIMS. -- 7/8 WAS 3/4 -- 1 1/16 WAS 15/16 -- 27/32 WAS 3/4 -- 7/8 WAS 3/4 -- 11/32 R. WAS 15/32 R.	10-17-40	[illegible]
C	[illegible] WAS 1 1/16	[illegible]	[illegible]



FINISH NOTE:-
TOUCH UP RIVET HEADS WITH PRIMER

ASSY DASH NO.	MODEL	NEXT ASSY	NO.
	PBY-5A	28T5005	1
	PBY-5B	28T5005	1
	PBY-5	28T5008	1

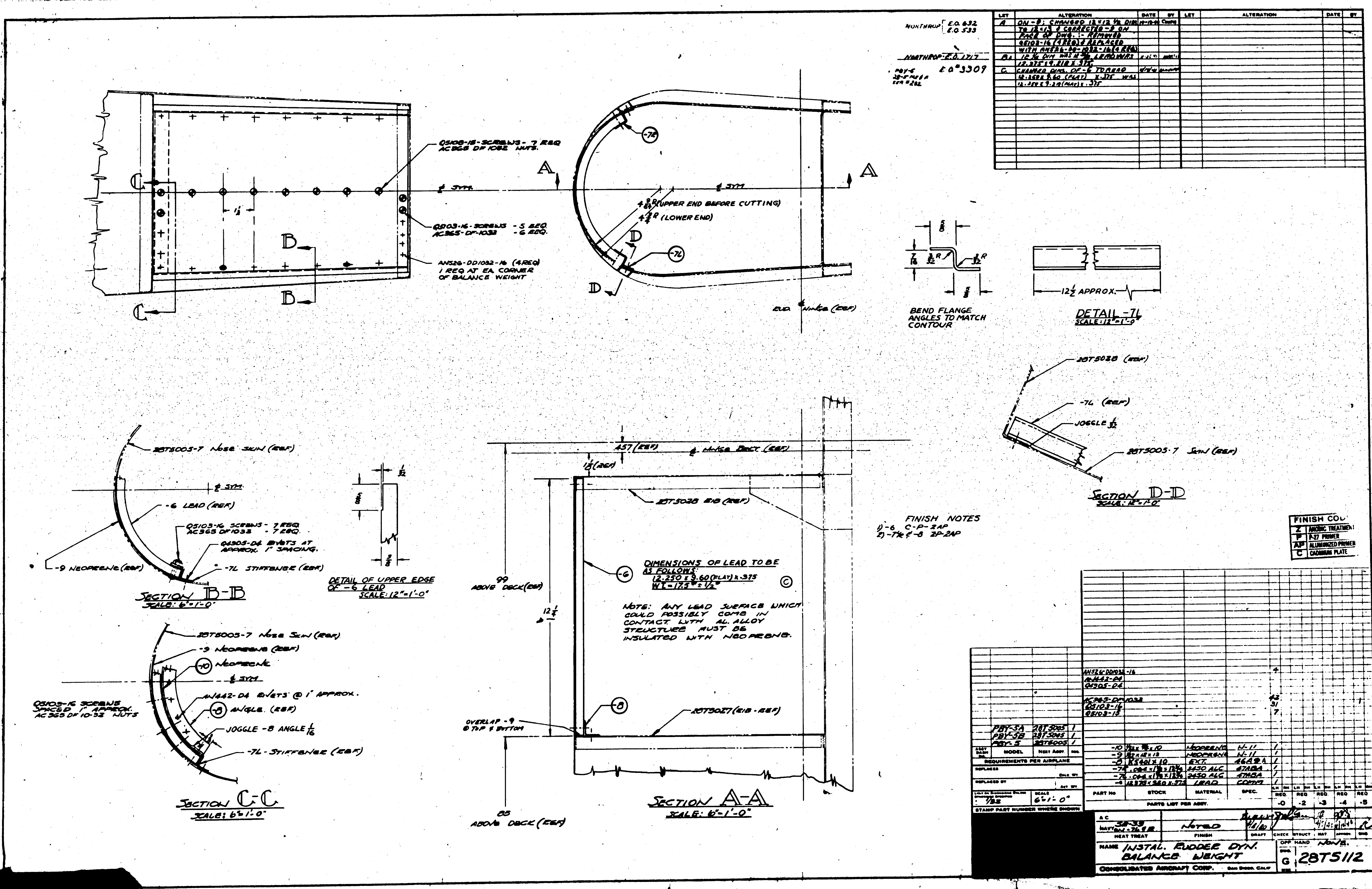
REQUIREMENTS PER AIRPLANE

PART No	STOCK	MATERIAL	SPEC.	REQ. -0
Q7103-N1				26
Q4303-D4				53
Q5101-C9				26
AC366-F-1032				26
28T5106				1
-6	1/32 x 2 1/4 x 17/8	NEOPRENE	N-11	1

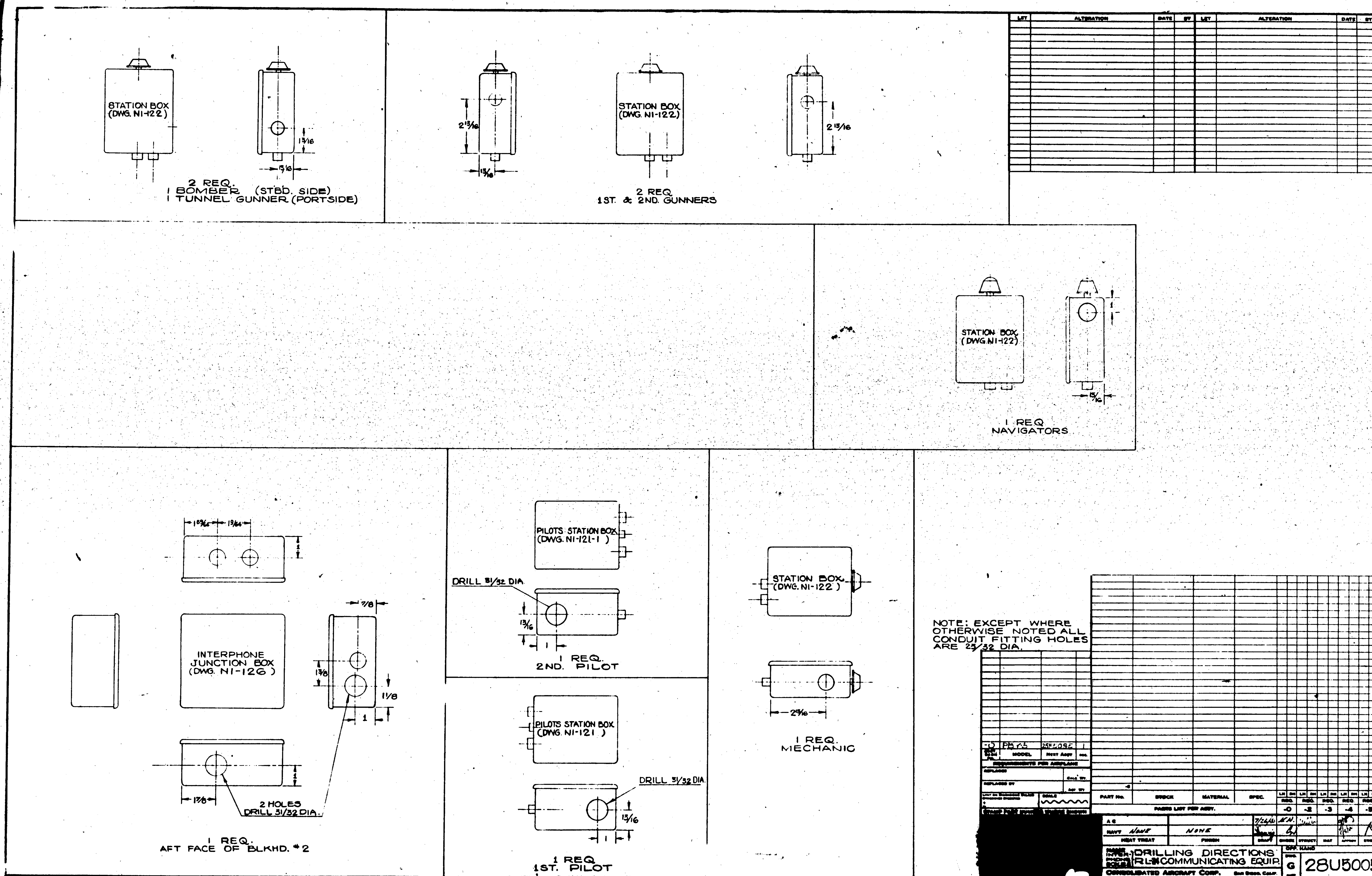
PARTS LIST PER ASSY.

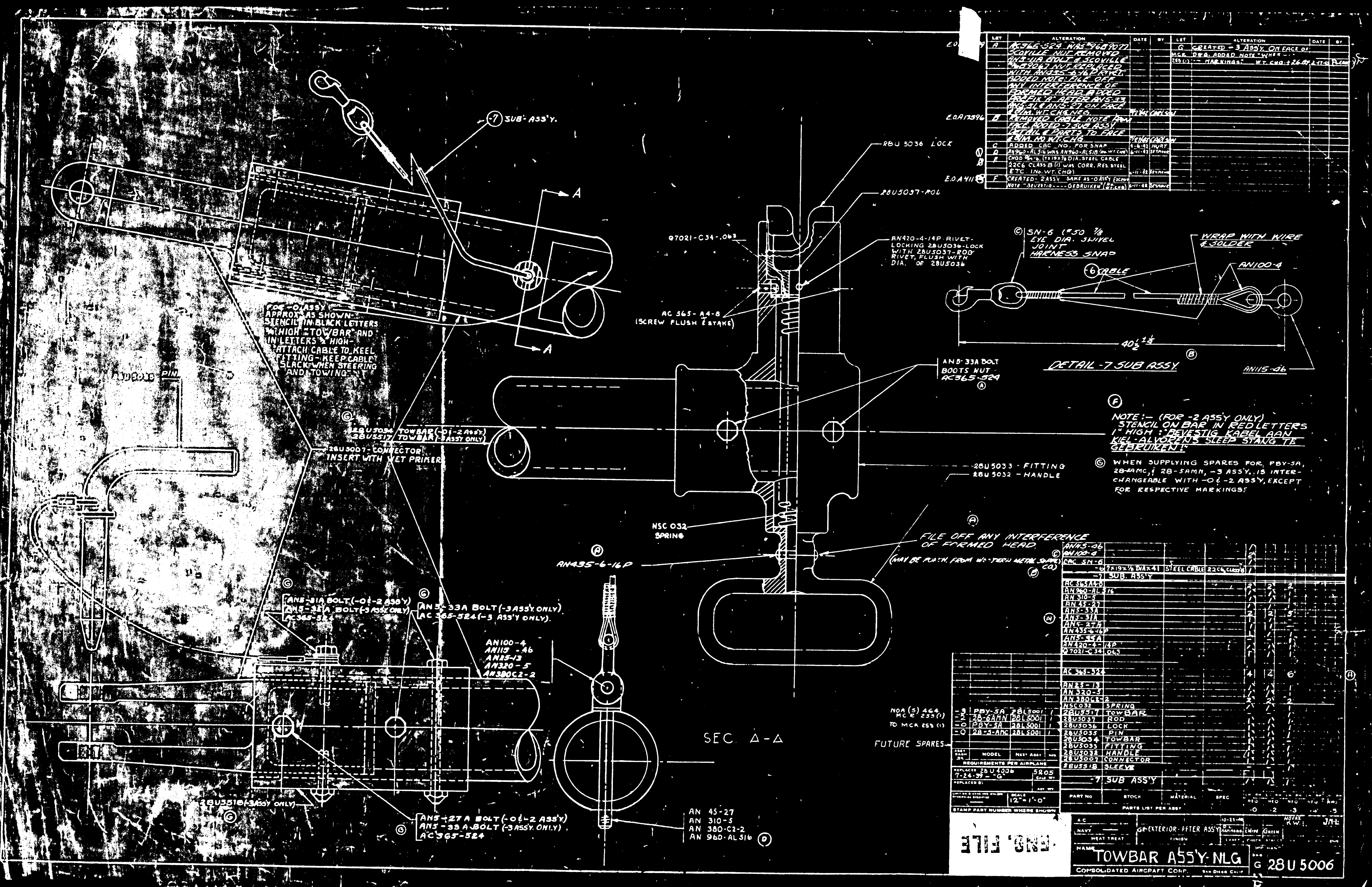
REPLACES — CALC. WT
REPLACED BY — ACT. WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 6"=1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

AC
NAVY NONE — HEAT TREAT
NOTED — FINISH
DRAFT 9/19/40 — CHECK — STRUCT — MAT — APPROV — ENG
NAME INSTAL.- RUDDER LOCK SOCKET & RUBBING STRIP.
OPP. HAND NONE
DWG. G 28T5107
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.


NORTHROP E.O. 632
E.O. 533
NORTHROP E.O. 1717
PBY-5 28-5 ME & F SER #282
E.O. #3309
LET | ALTERATION | DATE | BY
A | ON -9: CHANGED 12 x 12 1/2 DIM TO 12 x 13 & CORRECTED -9 ON FACE OF DWG. :- REMOVED QS103-16 (4 REQ) & REPLACED WITH AN526-DD-1032-16 (4 REQ)
B | 12 1/4 DIM WAS 12 3/8 LEAD WAS 12.375 x 9.218 x .375
C | CHANGED DIMS. OF -6 TO READ 12.250 x 9.60 (FLAT) x .375 WAS 12.250 x 9.29 (FLAT) x .375
QS108-15-SCREWS - 7 REQ AC365 DF1032 NUTS
QS103-16-SCREWS - 5 REQ. AC365-DF-1032 - 6 REQ.
AN526-DD1032-16 (4 REQ) 1 REQ AT EA. CORNER OF BALANCE WEIGHT
℄ SYM.
4 9/64 R (UPPER END BEFORE CUTTING)
4 3/4 R (LOWER END)
-7L
RUD. ℄ HINGE (REF)
BEND FLANGE ANGLES TO MATCH CONTOUR
12 1/2 APPROX.
DETAIL -7L
SCALE: 12"=1'-0"
28T5028 (REF)
-7L (REF)
JOGGLE 1/32
28T5005-7 SKIN (REF)
SECTION D-D
SCALE: 12"=1'-0"
28T5005-7 NOSE SKIN (REF)
-6 LEAD (REF)
QS103-16 SCREWS - 7 REQ. AC365 DF1032 - 7 REQ.
QS305-D4 RIVETS AT APPROX. 1" SPACING.
-9 NEOPRENE (REF)
-7L STIFFENER (REF)
SECTION B-B
SCALE: 6"=1'-0"
DETAIL OF UPPER EDGE OF -6 LEAD
SCALE: 12"=1'-0"
457 (REF)
℄ HINGE BRKT (REF)
28T5028 RIB (REF)
99 ABOVE DECK (REF)
DIMENSIONS OF LEAD TO BE AS FOLLOWS: 12.250 x 9.60 (FLAT) x .375 WT = 17.5# ± 1/2#
NOTE: ANY LEAD SURFACE WHICH COULD POSSIBLY COME IN CONTACT WITH AL. ALLOY STRUCTURE MUST BE INSULATED WITH NEOPRENE.
OVERLAP -9 @ TOP & BOTTOM
28T5027 (RIB - REF)
88 ABOVE DECK (REF)
SECTION A-A
SCALE: 6"=1'-0"
-10 NEOPRENE
QS103-16 SCREWS SPACED 1" APPROX. AC365 DF 10-32 NUTS
AN442-D4 RIVETS @ 1" APPROX.
-8 ANGLE (REF)
JOGGLE -8 ANGLE 1/16
-7L STIFFENER (REF)
SECTION C-C
SCALE: 6"=1'-0"
FINISH NOTES
1) -6 C-P-2AP
2) -7L & -8 ZP-2AP
FINISH CODE
Z ANODIC TREATMENT
P F-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
AN526-DD1032-16 4
AN442-D4
QS305-D4
AC365-DF1032 42
QS103-16 31
QS103-15 7
PBY-5A 28T5005 1
PBY-5B 28T5005 1
PBY-5 28T5005 1
ASSY DASH NO. | MODEL | NEXT ASSY. | REQ.
REQUIREMENTS PER AIRPLANE
-10 | 1/32 x ... x 10 | NEOPRENE | N-11 | 1
-9 | 1/32 x 12 x 13 | NEOPRENE | N-11 | 1
-8 | K5401 x 10 | EXT. | 46A9A | 1
-7R | .064 x 1 1/8 x 12 3/4 | 24SO ALC | 47A8A | 1
-7L | .064 x 1 1/8 x 12 3/4 | 24SO ALC | 47A8A | 1
-6 | 12.375 x 9.60 x .375 | LEAD | COMM | 1
PART No | STOCK | MATERIAL | SPEC. | REQ. -0 | REQ. -2 | REQ. -3 | REQ. -4 | REQ. -5
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
CALC. WT
ACT. WT
SCALE 6"=1'-0"
1/32
STAMP PART NUMBER WHERE SHOWN
HEAT TREAT
FINISH NOTED
DRAFT CHECK STRUCT MAT. APPROV. ENG
OPP. HAND NONE.
NAME INSTAL. RUDDER DYN. BALANCE WEIGHT
G 28T5112
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF

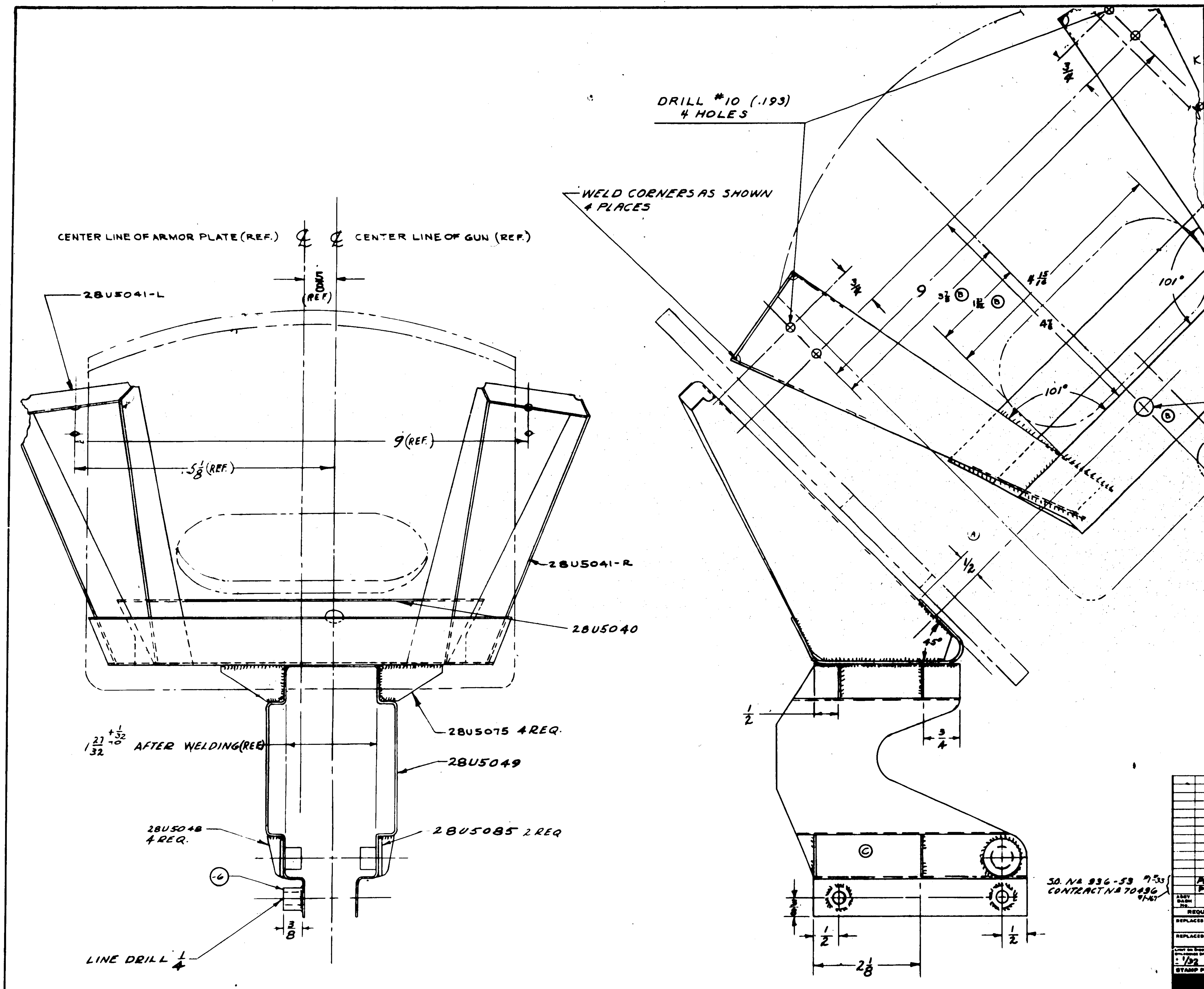
T.S. 120,000 TO 145,000#/□"
Q5725-K1-24 (1) (FOR -30, -50, -60, & -70 ASSYS.)
Q5725-K1-18 (1) (FOR -0, -10, & -40 ASSYS.)
NOTES:
1. PARTS -28U1025-7, Q9901-3 & 28B2008 ARE NOT USED ON PBY-2 & PBY-3 SHIPS.
2. PBY-4 6 REQ. VP-1 SQUADRON VP-18 PBY-3 VP-7 VP-9 VP-16 PBY-2 3 REQ. VP-17 SQUADRON
3. FOR CLEARNESS TOOLS OMITTED ON DRAWING & LOCATIONS ONLY NOTED.
4. 28U1025 -3, -5, -7, -11, & -15 ALL WATERPROOF.
5. 28U1025 -6 & -8 NONSTRETCH.
6. 28F6696 TO BE INSTALLED IN -11 POCKET ON -50 & -70 ASSYS.
7. CVAC-WRE-3 CONSISTS OF # 5280 SPEEDER (HANDLE) & U.S. 52 SOCKET WHICH ARE PURCHASED AS ONE ITEM.
SECTION A-A 12" = 1'-0"
SECTION B-B 12" = 1'-0"
SECTION C-C 12" = 1'-0"
SECTION E~E
Q5748-K1 45 (2)
THIS SPACE PROVIDED FOR BEACHING GEAR WHEEL AXLE WRENCHES
SECTION D-D SIMILAR TO C-C
THIS END OPEN
FORK-EMERG. CRANK-TOP WASH TURRET
FURNISHED BY VENDOR
STENCIL ON INSIDE OF FLAP WITH 1/2" LETTERS "SPECIAL TOOL KIT" WITH MODEL OF AIRPLANE
SUB ASSEMBLY FOR -30 & -50 ASSYS.
SUB ASSEMBLY FOR -60 & -70 ASSYS.
CUTOUT FOR Q9901-3
PBY-1-5" PBY-2-7" PBY-3-7"
NOT USED ON PBY5 C# 8976 ... FOR 28-6AMN ONLY
PARTS LIST PER ASSY.
REQUIREMENTS PER AIRPLANE
ENG. FILE
COPY No. 2
KIT - MISC. EQUIP. SPECIAL TOOL
CONSOLIDATED AIRCRAFT CORP.
28U1025


STATION BOX (DWG. N1-122)
1 3/16
1 5/16
2 REQ.
1 BOMBER (STBD. SIDE)
1 TUNNEL GUNNER (PORTSIDE)
2 13/16
1 5/16
STATION BOX (DWG. N1-122)
2 15/16
2 REQ.
1ST. & 2ND. GUNNERS
LET
ALTERATION
DATE
BY
STATION BOX (DWG. N1-122)
1 REQ.
NAVIGATORS
1 5/16
1 3/16
INTERPHONE JUNCTION BOX (DWG. N1-126)
7/8
1 3/8
1 1/8
1
1 7/8
2 HOLES DRILL 31/32 DIA.
1 REQ.
AFT FACE OF BLKHD. #2
PILOTS STATION BOX (DWG. N1-121-1)
DRILL 31/32 DIA.
13/16
1
1 REQ.
2ND. PILOT
PILOTS STATION BOX (DWG. N1-121)
DRILL 31/32 DIA.
13/16
1
1 REQ
1ST. PILOT
STATION BOX (DWG. N1-122)
2 5/16
1 REQ.
MECHANIC
NOTE: EXCEPT WHERE OTHERWISE NOTED ALL CONDUIT FITTING HOLES ARE 23/32 DIA.
-0 PB Y-5 25E2095 1
MODEL
NEXT ASSY
REQUIREMENTS PER AIRPLANE
REPLACES
REPLACED BY
SCALE
PART No.
STOCK
MATERIAL
SPEC.
LH
RH
REQ.
PARTS LIST FOR ASSY.
-0
-2
-3
-4
-5
NAVY NONE
NONE
HEAT TREAT
FINISH
7/24/41
DRAFT
CHECK
STRUCT
MAT
APPROV
ENG
OPP. HAND
DRILLING DIRECTIONS
COMMUNICATING EQUIP.
CONSOLIDATED AIRCRAFT CORP.
G
28U5005



-7 SUB-ASS'Y.
28U 5036 LOCK
28U5037-ROD
Q7021-C34-.063
AN420-4-14P RIVET-LOCKING 28U5036-LOCK WITH 28U5037-ROD RIVET FLUSH WITH DIA. OF 28U5036
AC 365-A4-8 (SCREW FLUSH & STAKE)
FOR -0 ASS'Y APPROX. AS SHOWN-STENCIL IN BLACK LETTERS ½" HIGH "TOWBAR" AND IN LETTERS ⅛" HIGH-"ATTACH CABLE TO KEEL FITTING-KEEP CABLE SLACK WHEN STEERING AND TOWING"
28U5034 TOWBAR (-0 & -2 ASS'Y)
28U5517 TOWBAR (-3 ASS'Y ONLY)
28U5007-CONNECTOR INSERT WITH WET PRIMER
AN5-33A BOLT BOOTS NUT AC365-524
28U5033 - FITTING
28U 5032 - HANDLE
NSC 032 SPRING
AN435-6-16P
FILE OFF ANY INTERFERENCE OF FORMED HEAD.
SN-6 (#50 ⅛ EYE DIA. SWIVEL JOINT HARNESS SNAP
-6 CABLE
WRAP WITH WIRE & SOLDER
AN100-4
40½ ±⅛
DETAIL -7 SUB ASSY
AN115-46
NOTE:- (FOR -2 ASSY ONLY) STENCIL ON BAR IN RED LETTERS 1" HIGH "BEVESTIG KABEL AAN KIEL-ALVORENS SLEEP STANG TE GEBRUIKEN!"
WHEN SUPPLYING SPARES FOR PBY-5A, 28-5AMC, & 28-5AMN, -3 ASS'Y. IS INTERCHANGEABLE WITH -0 & -2 ASS'Y, EXCEPT FOR RESPECTIVE MARKINGS.
AN5-31A BOLT (-0 & -2 ASS'Y)
AN5-35A BOLT (-3 ASS'Y ONLY)
AC365-524
AN5-33A BOLT (-3 ASS'Y ONLY)
AC 365-524 (-3 ASS'Y ONLY).
AN100-4
AN115-46
AN25-13
AN320-5
AN380C2-2
SEC. A-A
28U5518 (-3 ASS'Y ONLY)
AN5-27A BOLT (-0 & -2 ASS'Y)
AN5-33A BOLT (-3 ASS'Y ONLY)
AC365-524
AN 45-27
AN 310-5
AN 380-C2-2
AN 960-AL516
FUTURE SPARES
12" = 1'-0"
ENG. FILE
TOWBAR ASS'Y-NLG
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
G 28U 5006

CONSOLIDATED AIRCRAFT CORP.
28U5067



NOTE:- (C)
ALL MACHINING TO BE DONE AFTER WELDING

S.O. No 936-53 9-?-33
CONTRACT No 70496 9/1-67

LET	ALTERATION	DATE	BY
A	ADDED DRILL NOTE & DIMENSION FOR 3/8 HOLE	4-17-41	
B	MOVED ℄ OF GUN-3/8 HOLE-DIM. 5/8 & 1 27/32 TO OPPOSITE SIDE ℄ OF ARMOR PLATE	7-14-41	
C	28U5048 WELDED ON OUTSIDE IN PLACE OF INSIDE; NOTE "ELECTRIC ARC WELD WHERE SHOWN" REMOVED.		
D	[illegible] (DID. WR. [illegible])	6-?-43	

28U5085				2						
28U5041-R				1						
28U5041-L				1						
28U5075				4						
28U5049				1						
28U5048				4						
28U5040				1						
-6	3/16 .064 × 1/2	C.M. STEEL	AN-QQ-S-[illegible]	2						
PART No	STOCK	MATERIAL	SPEC.	LH RH REQ. -0	LH RH REQ. -2	LH RH REQ. -3	LH RH REQ. -4	LH RH REQ. -5		

PARTS LIST PER ASSY.

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
	PBY-5A	[illegible]	1
	PBY-5	[illegible]	1

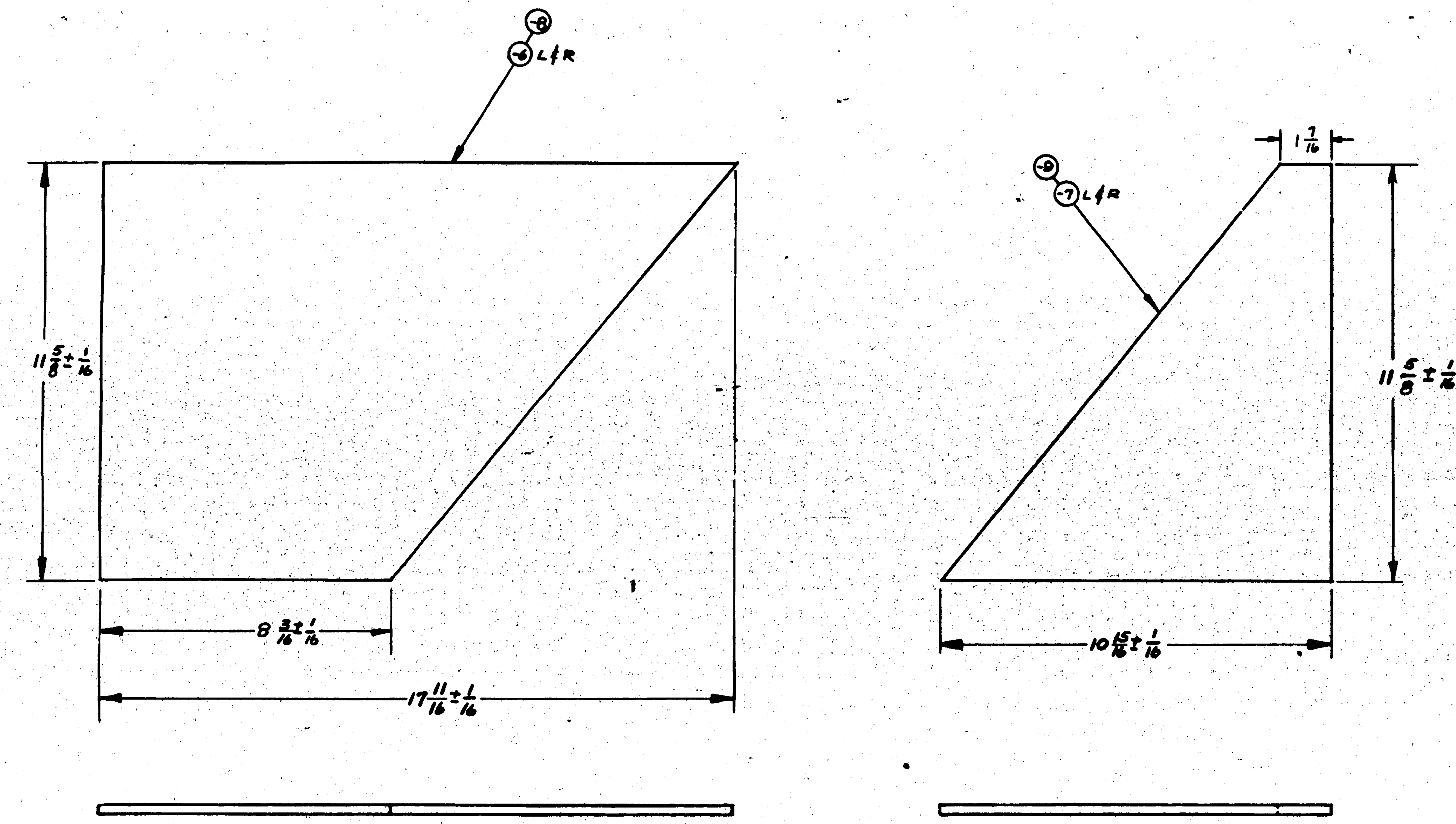
REQUIREMENTS PER AIRPLANE

REPLACES — 1.74 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

AC		COOK	[illegible]	[illegible]	[illegible]	
NAVY 50,000 TO 125,000 #/□"	C	1-8-41	[illegible]		FRF	9-16-41
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV.	ENG.

NAME SUPPORT ASSEM.-ARM'T.-.30 CAL. B.A.M. GUN-REAR ARMOR PLATE-TUNNEL GUN.
OPP. HAND —
DWG. SIZE G 28U5068
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

Note: USEFUL LOAD. Not included in weight empty of Airplane.



LET	ALTERATION	DATE	BY
C	REDRAWN & REVISED: ADDED -8 (2) TO REPLACE -6L(1) & -6R(1); ADDED -9(2) TO REPLACE -7L(1) & -7R(1). NO WEIGHT CHANGE	5-6-[illegible]	[illegible]
D	REMOVED NOTE PARTS TO BE CAC PROCURED & INSTALLED. REMOVED FOR -8 & -9 ASSYS "ALL SPARES." NO WT. CHG	[illegible]-2-46	[illegible]

PURCHASE TO DWG.

CONT. NO a(s) 464
CONT. 91876
CONT. NO a(s) 464
CONT. 91876

PBY-5A {88476 only, 70496, 77713}
PBY-5 - 70496
PBY-5B - 88477

DASH NO.	MODEL	NEXT ASSY	NO.
-9	PBY-5A	28U5069	2
-9	PBY-5		2
-8	PBY-5A		2
-8	PBY-5		2
-7R	PBY-5B		1
-7L	PBY-5B		1
-7R	PBY-5A		1
-7L	PBY-5A		1
-7R	PBY-5		1
-7L	PBY-5		1
-6R	PBY-5B		1
-6L	PBY-5B		1
-6R	PBY-5A		1
-6L	PBY-5A		1
-6R	PBY-5		1
-6L	PBY-5	28U5069	1

REQUIREMENTS PER AIRPLANE

REPLACED "C" CHANGE 28U5070 "D" SAME — NOTED — CALC. WT.
REPLACED BY — ACT. WT.
Limit on Dimensions Unless Otherwise Specified: ± 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-9	1/4 x 10 15/16 x 11 5/8	[illegible]	602498
-8	1/4 x 11 5/8 x 17 11/16		
-7R	1/4 x 10 15/16 x 11 5/8		
-7L	1/4 x 10 15/16 x 11 5/8		
-6R	1/4 x 11 5/8 x 17 11/16		
-6L	1/4 x 11 5/8 x 17 11/16	[illegible]	602498

PARTS LIST PER ASSY — REQ. -0, -2, -3, -4, -5 (LH RH)

DASH NO.	WT IN LBS.
-6	10.66
-7	5.1
-8	10.66
-9	5.1

APPROVED FOR TOOLING BY
E. E. Dalton
6-1-43

AC —
NAVY NOTED — P-6P
HEAT TREAT — FINISH
DRAFT: [illegible] — CHECK: LOS — STRUCT: [illegible] — MAT: JFR / RMS — APPROV: KIAN 11-8-41 — ENG: R

OPP. HAND —

NAME: ARMOR PLATE-CENTER SECTION-REAR SPAR

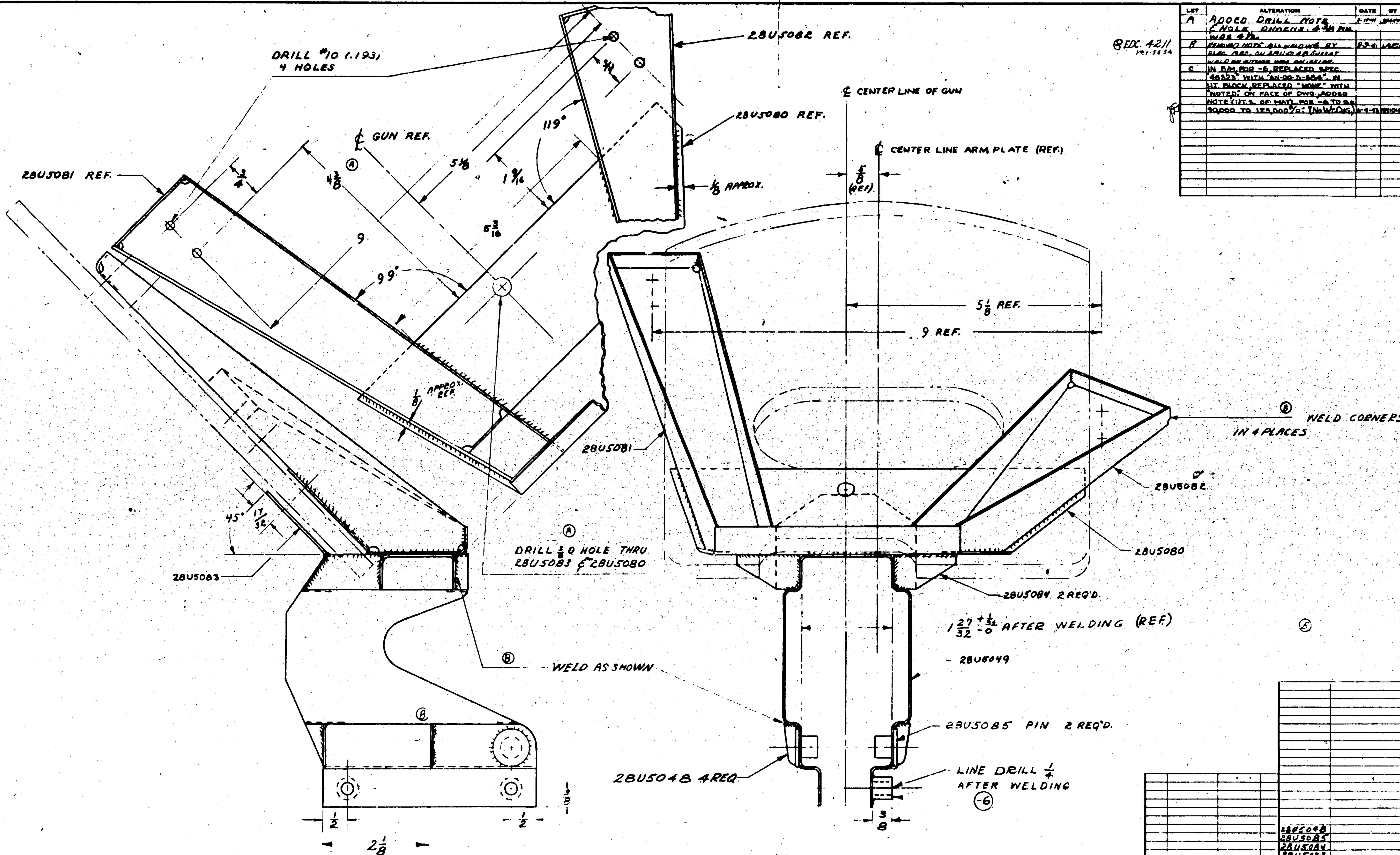
DWG. SIZE G — 28U5070

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28U5070

LET	ALTERATION	DATE	BY
A	ADDED DRILL NOTE ¢ HOLE DIMENS. 4 3/8 DIM. WAS 4 1/2	8-1-41	SHARP
B	REMOVED NOTE: ALL WELDING BY ELEC. ARC. ON 28U5048 SHEET WELD ON EITHER WAS ON INSIDE.	9-9-41	[illegible]
C	IN B/M FOR -6, REPLACED SPEC. "46S23" WITH "AN-QQ-S-684". IN HT. BLOCK, REPLACED "NONE" WITH "NOTED" ON FACE OF DWG., ADDED NOTE (1) T.S. OF MAT'L FOR -6 TO BE 90,000 TO 125,000#/□" (No Wt. Chg.)	6-4-43	WRIGHT

EDC. 4211 Ve1-565A



NOTE –
(1) T. S. OF MAT'L. FOR -6 TO BE 90,000 TO 125,000#/□".

ASSY DASH No	MODEL	NEXT ASSY	REQ.
	PBY-5A	28U5056-3	1
	PBY-5	28U5056-2	1

REQUIREMENTS PER AIRPLANE

SO. No 936-53 #1-35; CONTRACT 70496 #1-167

REPLACES — CALC. WT 1.43

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 1/2° — SCALE 12"=1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0
28U5048				4
28U5085				2
28U5084				2
28U5083				1
28U5082				1
28U5081				1
28U5080				1
28U5049				1
-6	7/16 DIA × 1/2	C.M.S. BAR	AN-QQ-S-684	2

PARTS LIST PER ASSY.

AC			
NAVY NOTED	C		
HEAT TREAT	FINISH	DRAFT	CHECK / STRUCT / WAT / APPROV

NAME SUPPORT-ASSY.-ARM'T.-30 CAL. B.A.M. GUN-REAR ARMOR PLATE-BOW GUN

OPP. HAND —

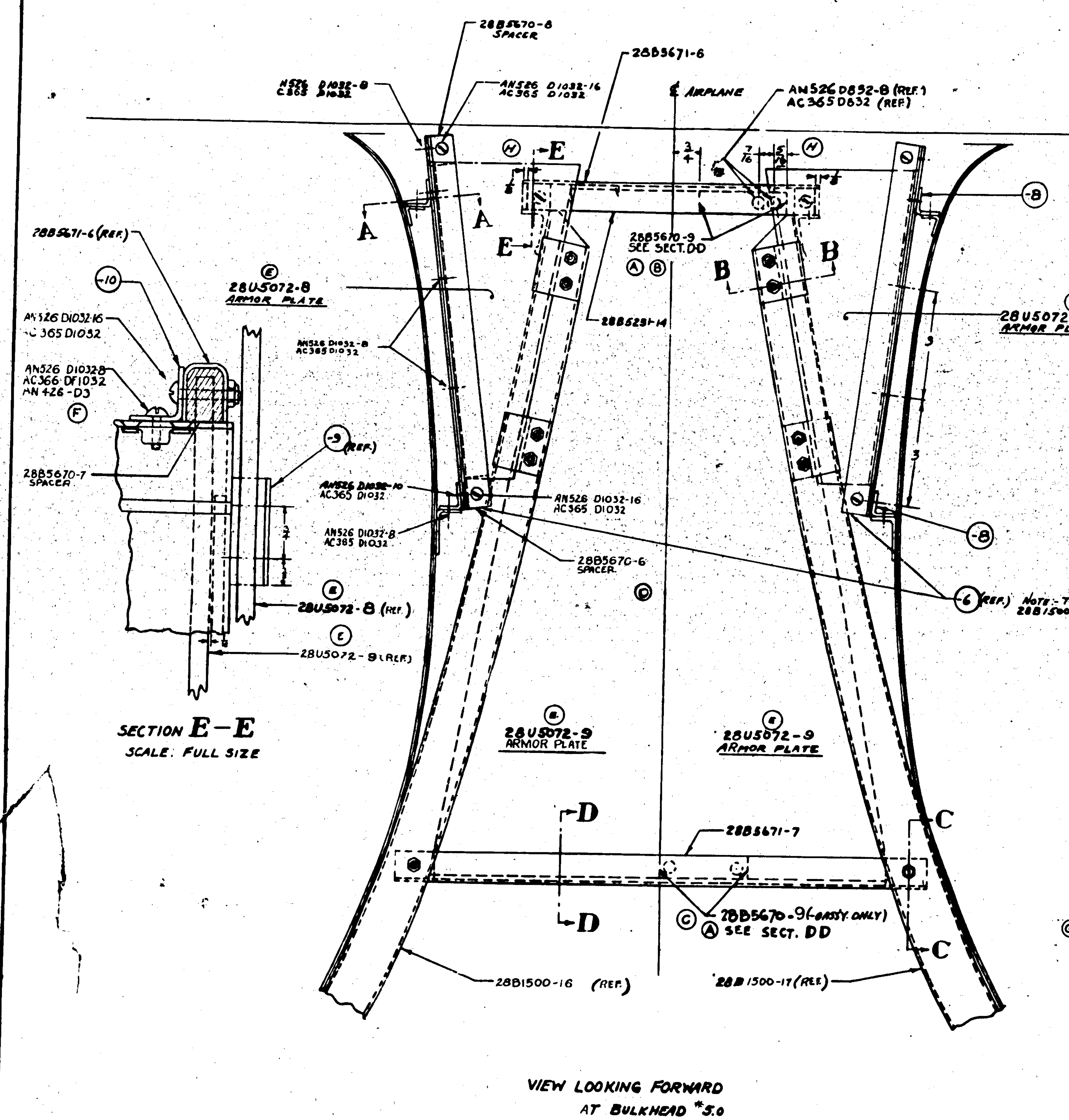
DWG G 28U5074

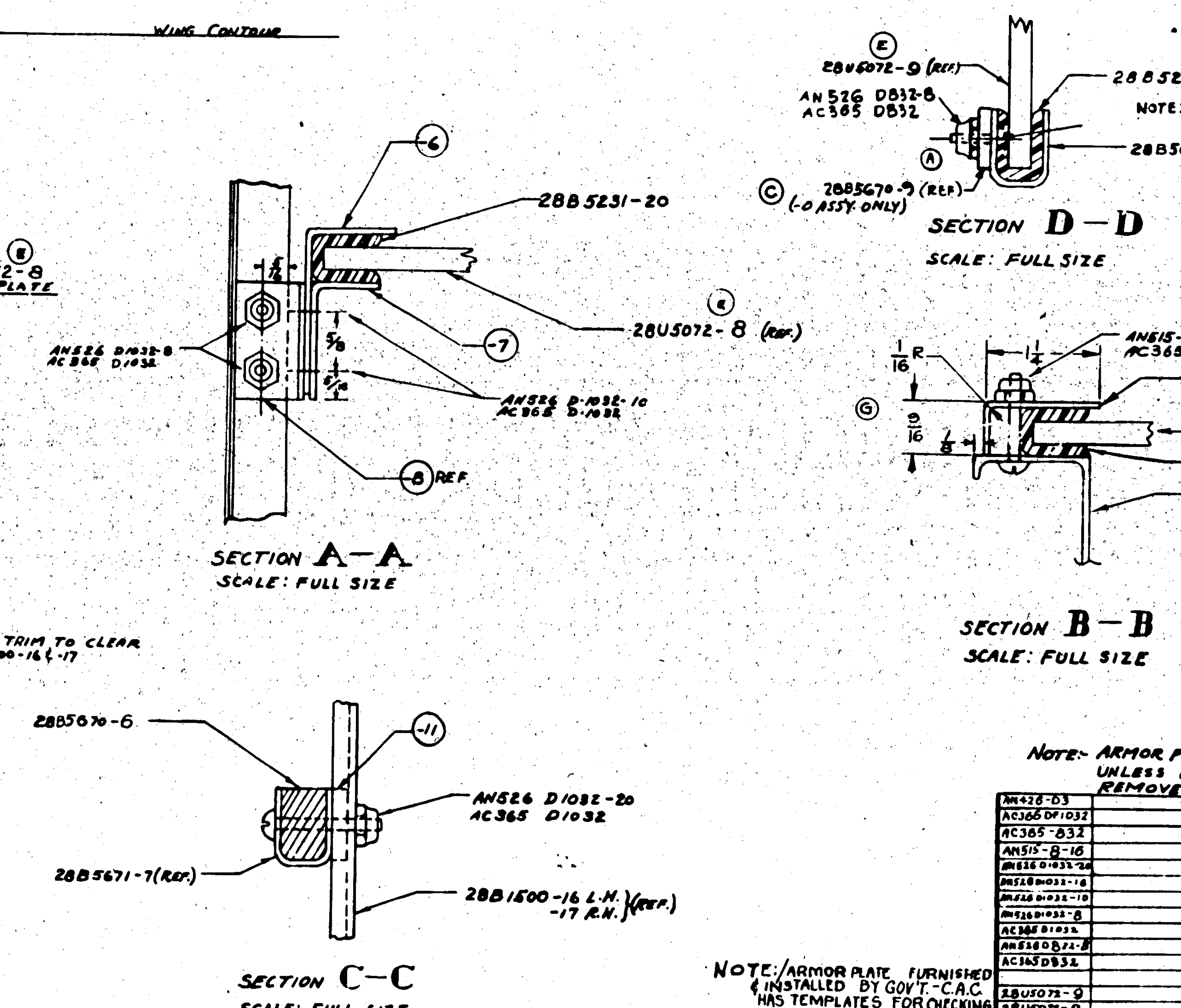
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28U5074

LET	ALTERATION	DATE	BY
A	28B5670-9 ADDED		
B	RELOCATED 28B5670-9 ATTACHED TO 28B5671-6. IN SECT. "B-B" REPLACED AN526D1032-16 & AC365D1032 WITH AN515-8-16 & AC365-832. IN B/M ADDED AN515-8-16 (8) & AC365-832 CHANGED AN526 D1032-16 12 REQ. TO 4 REQ. AC365-D1032 FROM 44 REQ. TO 36 REQ. NO WT CHANGE		
C	CREATED -2 ASSY. (WT. CHG. NEG.)		
D	28B5670-6 SPACER WAS 28B5670-8 ON FACE. IN B.M. ON -0 & -2 ASSY 28B5670-6 (4) REQ'D WAS 28B5670-6 (2) REQ'D. 28B5670-8 (2) REQ'D WAS 28B5670-8 (4) REQ'D. NEG WT CHG	7/21/42	MARSH
E	ON FACE OF DWG & IN THE B/M CHANGED 28U5072-6L(1) & -6R(1) TO -8(2). CHANGED 28U5072-7L(1) & 28U5072-7R(1) TO 28U5072-9(2) NO WT CHG	5-7-…	
F	CHANGED VIEW OF SCREW & NUT THRU 28B5671-6 (REF) AC366DF1032 WAS AC365D1032 ADDED AN426-D3. IN B/M ADDED AC366DF1032 (2) & AN426-D3 AC365 D1032 (34) WAS (36)	7-1-43	
G	IN B/M, FOR -6, REPLACED "K11820 X 10½, DURAL, 46A9-T" WITH "NOTED"; FOR -7, REPLACED "K13689 X 10½, DURAL, 46A9-T" WITH "NOTED"; FOR -8, REPLACED "K78C X 1⅜, DURAL, 46A9-T" WITH "NOTED"; FOR -9, REPLACED "K13689 X 1⅞, DURAL, 46A9-T" WITH "NOTED"; FOR -10, REPLACED "K78C X ⅞, DURAL, 46A9-T" WITH "NOTED". TO -9, SEC. B-B, ADDED DIMS. 7/16, 1¼, & 1/16 R. & REMOVED NOTE "TRIM THIS LEG -9 TO 9/16." ADDED MAT'L. NOTES #1 TO #5 INCL. WT. CHG. NEG.	8-3-43	
H	ADDED 1/8 DIM. (2 PLACES) & DIM. 7/16 WAS 1 1/8 & 5/16 WAS 3/8 NO. WT. CHG	10-8-43	

E.O. A35752
E.O. A48769





MATERIAL NOTES-

1- MAT'L. FOR -6 MAY BE-
(A) Y-6-A107T X 10½, OR
(B) K11820 X 10½, AL. AL. EXTR., SPEC. QQ-A-354-T.

2- MAT'L. FOR -7 MAY BE-
(A) Y-6-A37T X 10½, OR
(B) K13689 X 10½, AL. AL. EXTR., SPEC. QQ-A-354-T.

3- MAT'L. FOR -8 MAY BE-
(A) Y-2-A30T X 1⅜, OR
(B) K78C X 1⅜, AL. AL. EXTR., SPEC. QQ-A-354-T.

4- MAT'L. FOR -9 MAY BE-
(A) .081 X 1⅝ X 1⅞, 24ST ALC., SPEC. QQ-A-362-T, OR
(B) K13689 X 1⅞, AL. AL. EXTR., SPEC. QQ-A-354-T.

5- MAT'L. FOR -10 MAY BE-
(A) Y-2-A30T X ⅞, OR
(B) K78C X ⅞, AL. AL. EXTR., SPEC. QQ-A-354-T.

NOTE:- ARMOR PLATE NOT TO BE INSTALLED ON PBY-4 UNLESS PERMANENT FAIRING STUCTURE BE REMOVED.

NOTE:/ARMOR PLATE FURNISHED & INSTALLED BY GOV'T.-C.A.C. HAS TEMPLATES FOR CHECKING INSTALL. OF PARTS.

PART NO	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
AN426-D3								
AC366DF1032				2	2			
AC365-832				8	8			
AN515-8-16				8	8			
AN526D1032-20				2	2			
AN526D1032-16				4	4			
AN526D1032-10				8	8			
AN526D1032-8				22	22			
AC365D1032				34	34			
AN526D832-8				4				
AC365D832				4				
28U5072-9		ARMOR PLATE		2	2			
28U5072-8		ARMOR PLATE		2	2			
28B5671-7				1	1			
28B5671-6				1	1			
28B5670-9				2				
-8				2	2			
-7				2	2			
28B5670-6				4	4			
-20				2	2			
-19				1	1			
-18				4	4			
28B5231-14				1	1			
-11	SPACER .156 x ¾ x 1¼	ALCLAD	47A8-T	2	2			
-10	NOTED	NOTED	NOTED	2	2			
-9	NOTED	NOTED	NOTED	4	4			
-8	NOTED	NOTED	NOTED	4	4			
-7	NOTED	NOTED	NOTED	2	2			
-6	NOTED	NOTED	NOTED	2	2			

PARTS LIST PER ASSY.

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
	PBY-5	28B6000	
-2	PBY-5B	28B6000	
	PBY-5A	28B5500	
	PBY-5	28B1000	

C#91876
C#70496

REQUIREMENTS PER AIRPLANE

REPLACES — 17.569 CALC. WT.
REPLACED BY — ACT. WT.
SCALE 6" = 1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

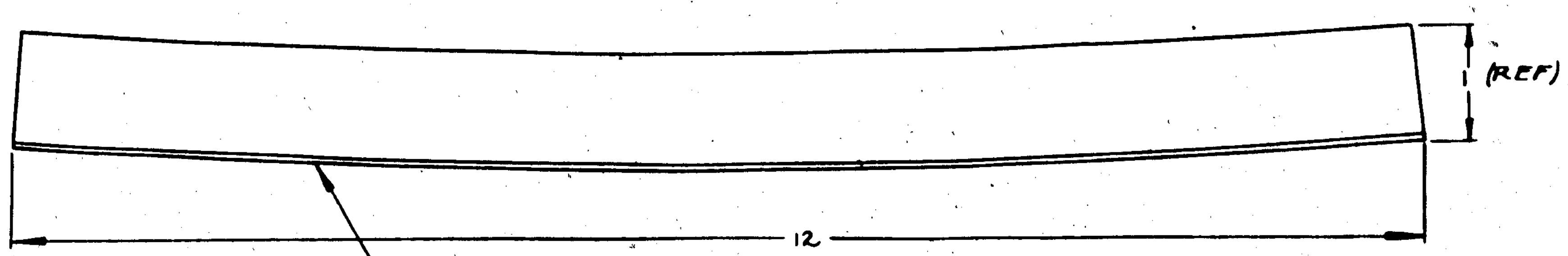
A C
NAVY NOTED — NOTED — 1-3-41
HEAT TREAT — FINISH — DRAFT — CHECK — STRUCT — MAT — APPROV — ENG

NAME INSTALLATION - ARMOR PLATE BULKHEAD - HULL - STA. 5.0

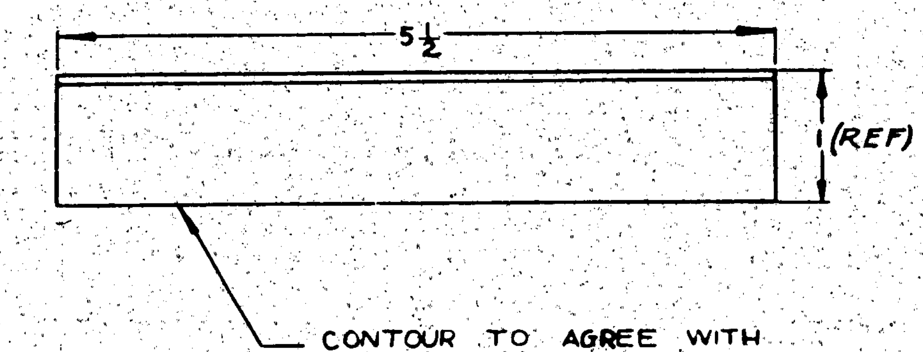
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28U5073

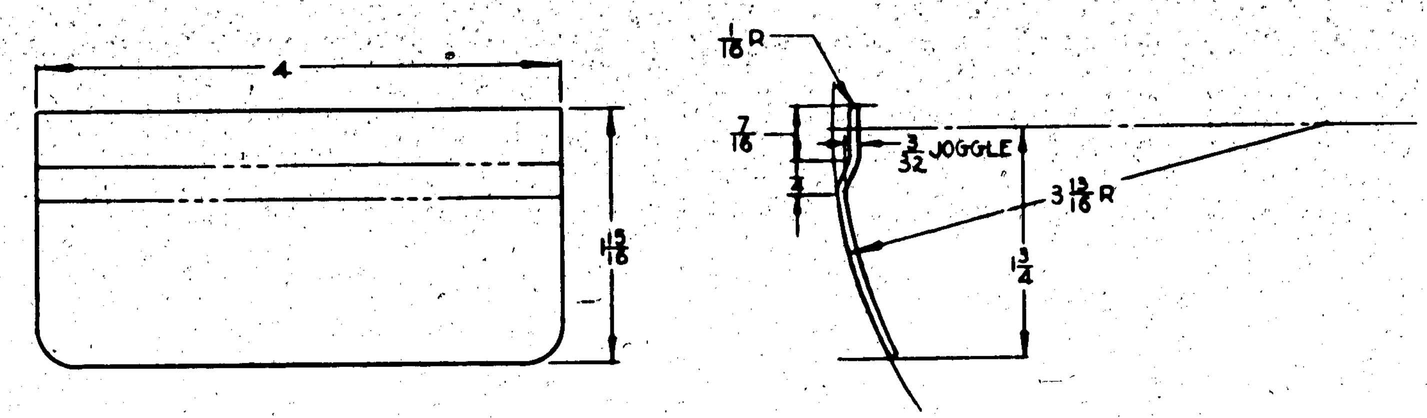
28U5073



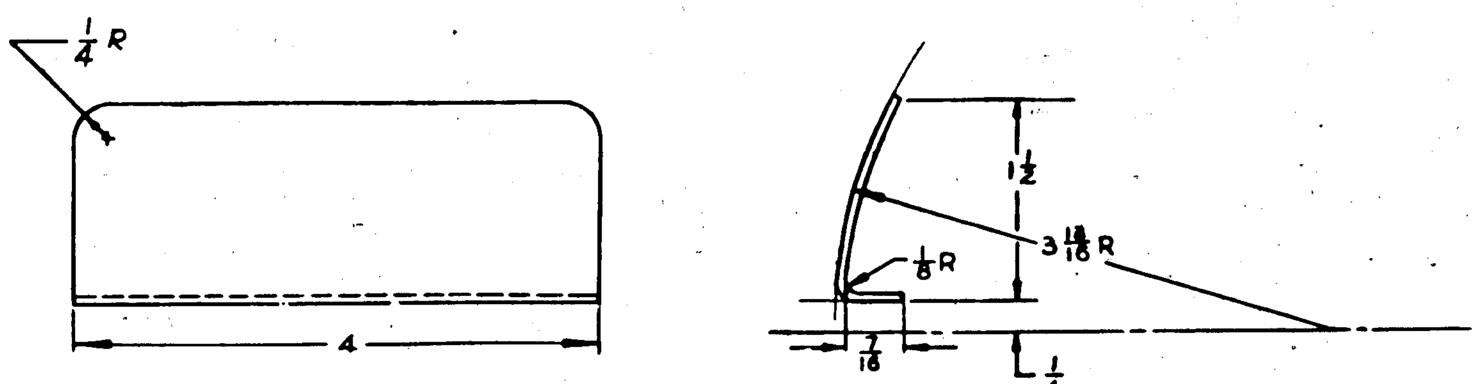
DETAIL OF -6



DETAIL OF -7



DETAIL OF -15



DETAIL OF -14

SEE SHT. #1 OF 2

SCALE 12" = 1'0"

APPROVED FOR TOOLING BY Gerslinc 7-10-43

ANTENNA INSTALLATION COMMUNICATIONS RADIO SETS

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

G 28U5502 SHT #2 OF 2

E.O.A20306

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A	ADDED DASH NOS. -7 THRU -15 FOR INTERPHONE BOXES	[illegible]	[illegible]				
B	ADDED 1/8 WATER DRAIN HOLES FOR -7 THRU -15	12-7-42	[illegible]				

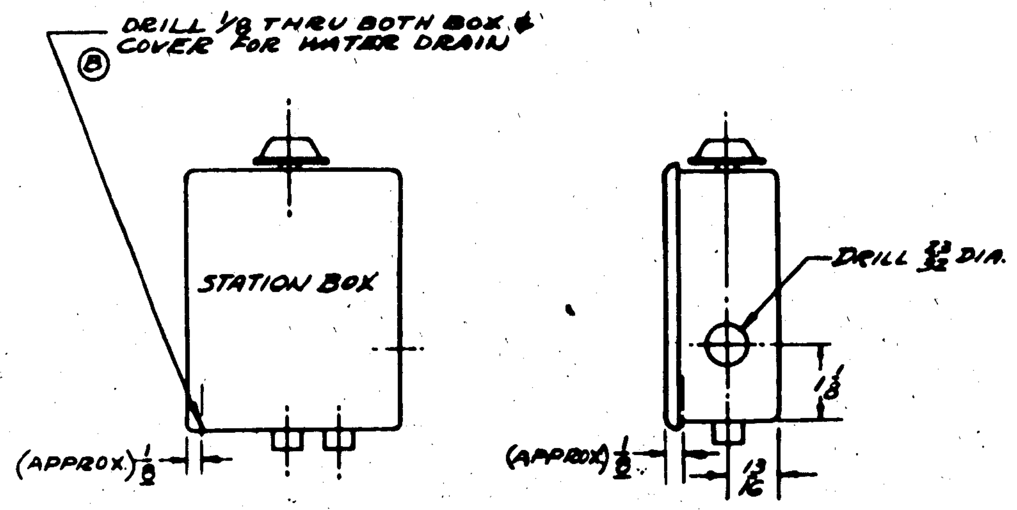


FIG. A
TUNNEL GUNNER (PORT SIDE) (-7)(A)
1 REQ.

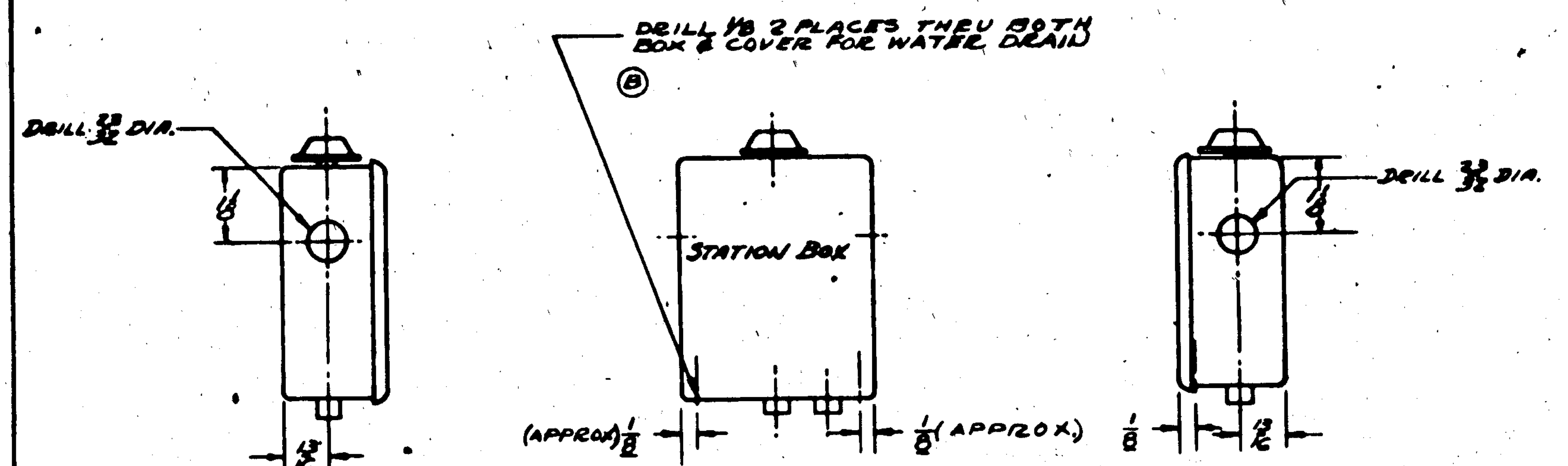


FIG. B
1ST & 2ND GUNNER'S (-8)(A)
2 REQ.

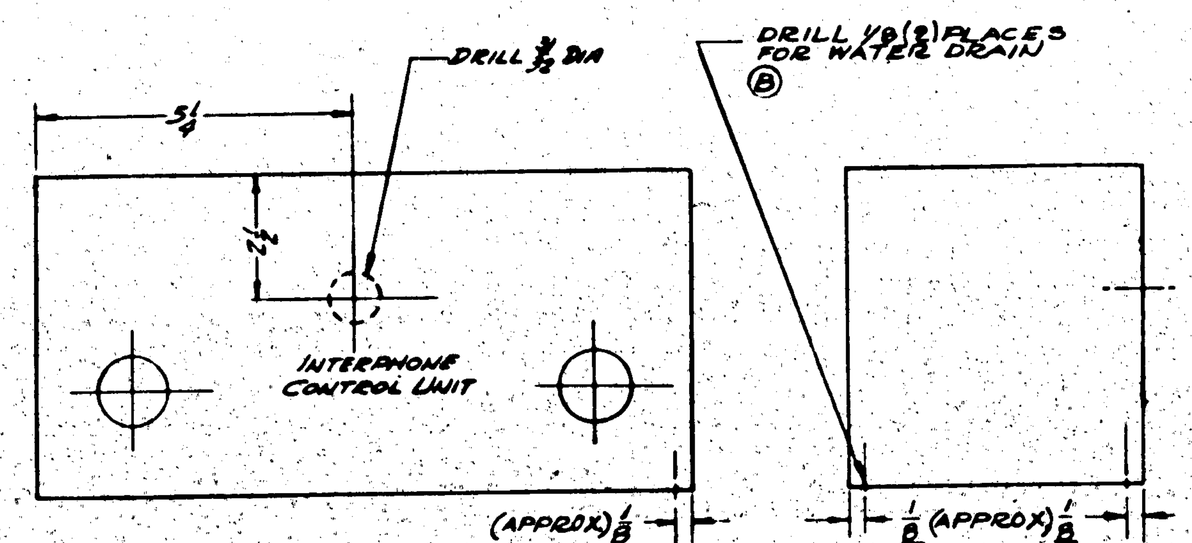


FIG. C
RADIO OPERATOR (-9)(A)
1 REQ.

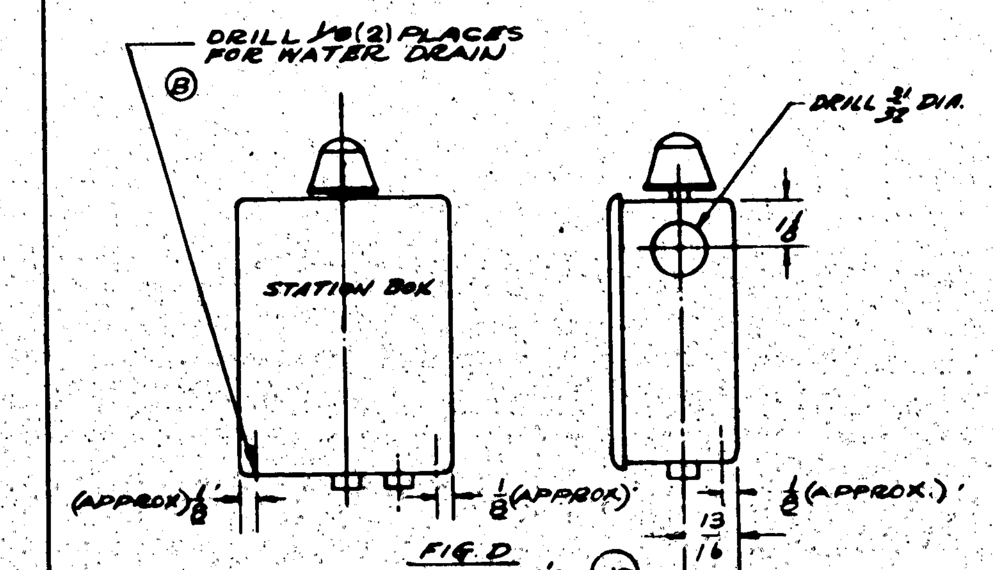


FIG. D
NAVIGATOR'S (-10)(A)
1 REQ.

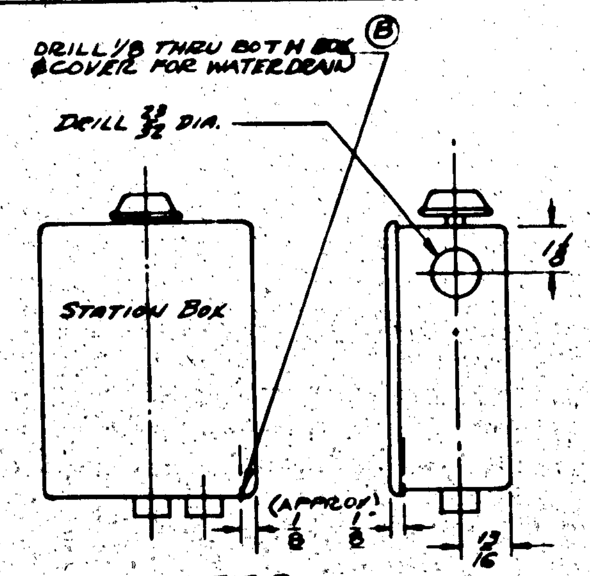


FIG. E
BOMBER'S (-11)(A)
1 REQ.

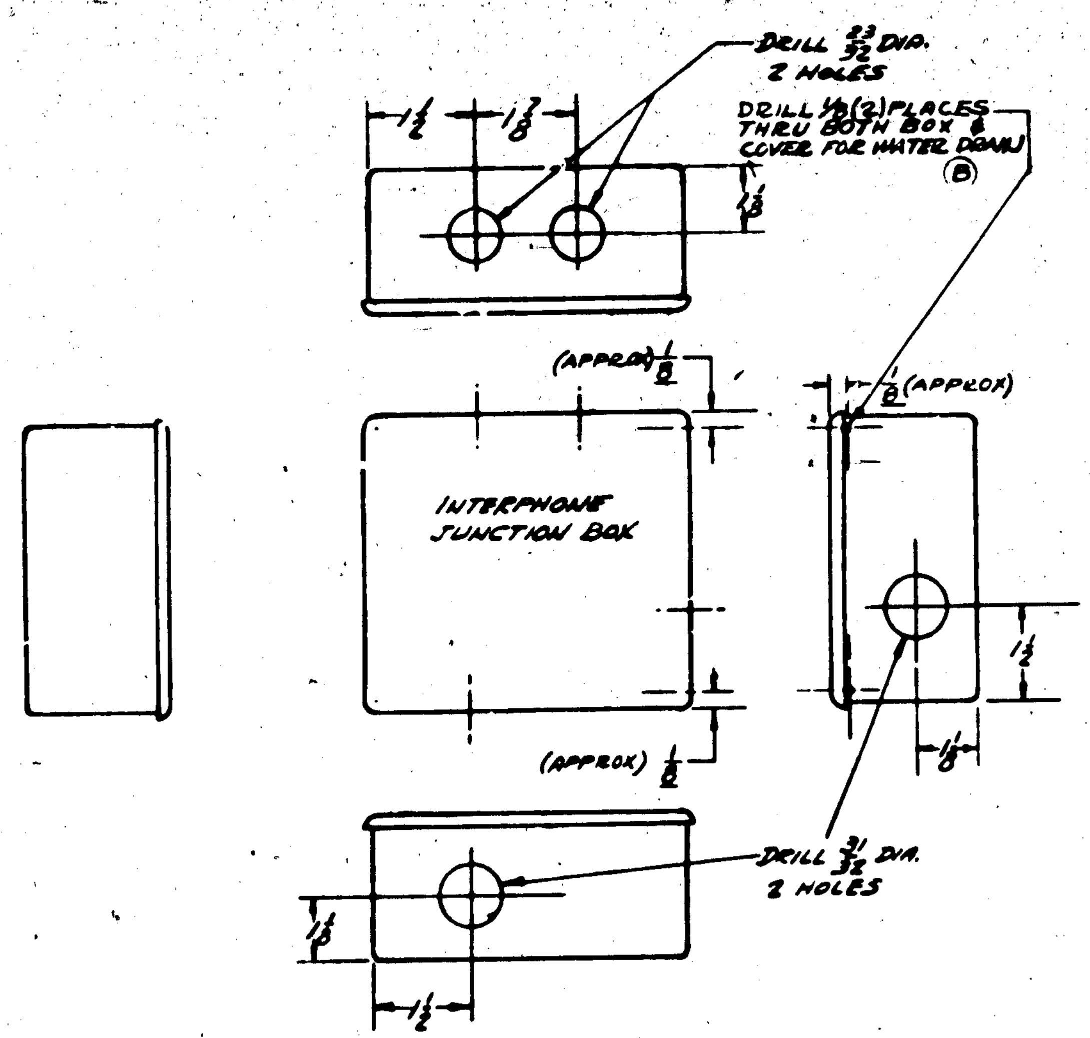


FIG. F
INTERPHONE JUNCION BOX (-12)(A)
1 REQ.

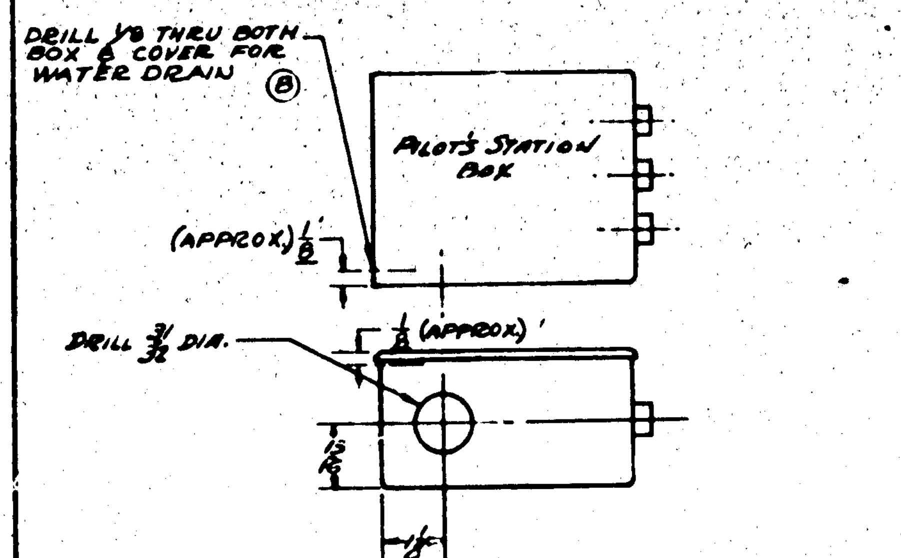


FIG. G
2ND PILOT (-13)(A)
1 REQ.

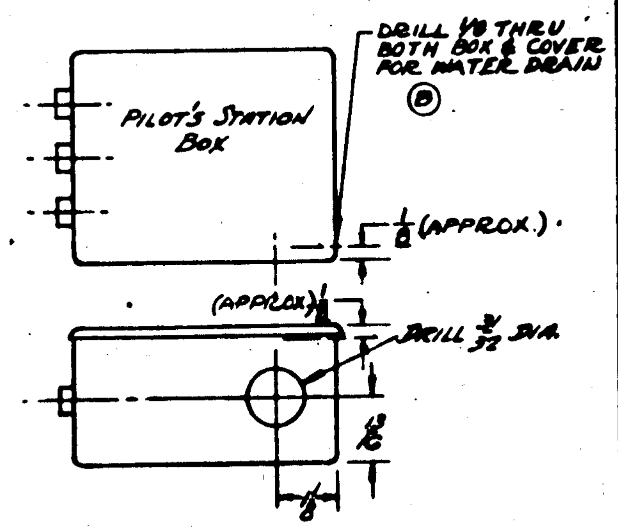


FIG. H
1ST PILOT (-14)(A)
1 REQ.

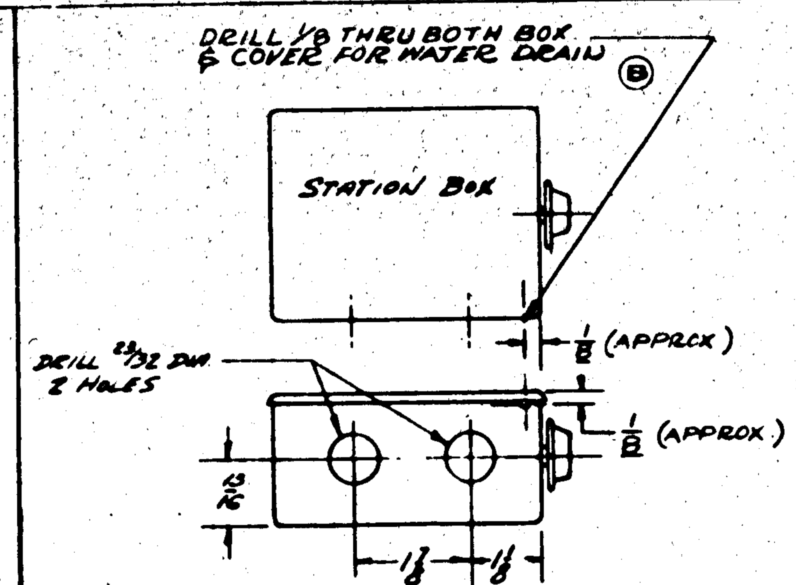


FIG. I
MECHANIC'S (-15)(A)
1 REQ.

C.70496 #168 TO 200
C.77713 #1 TO 10

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
-15	PBY-5A	28F5005	1
-14			1
-13			1
-12			1
-11			1
-10			1
-9			1
-8			2
-7			1
	PBY-5A	28F5005	1

REQUIREMENTS PER AIRPLANE

REPLACES | CALC. WT.
REPLACED BY | ACT. WT.
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-15	MAKE FROM (N1-122)		
-14	(N1-121)		
-13	(N1-124)		
-12	(N1-126)		
-11	(N1-122)		
-10	(N1-122)		
-9	(L-851-6)		
-8	(N1-122)		
-7	MAKE FROM (N1-122)		

PARTS LIST PER ASSY. — REQ. -0, -2, -3, -4, -5

A C — | NAVY — | HEAT TREAT | FINISH
DRAFT | CHECK | STRUCT | MAT. | APPROV. | ENG.

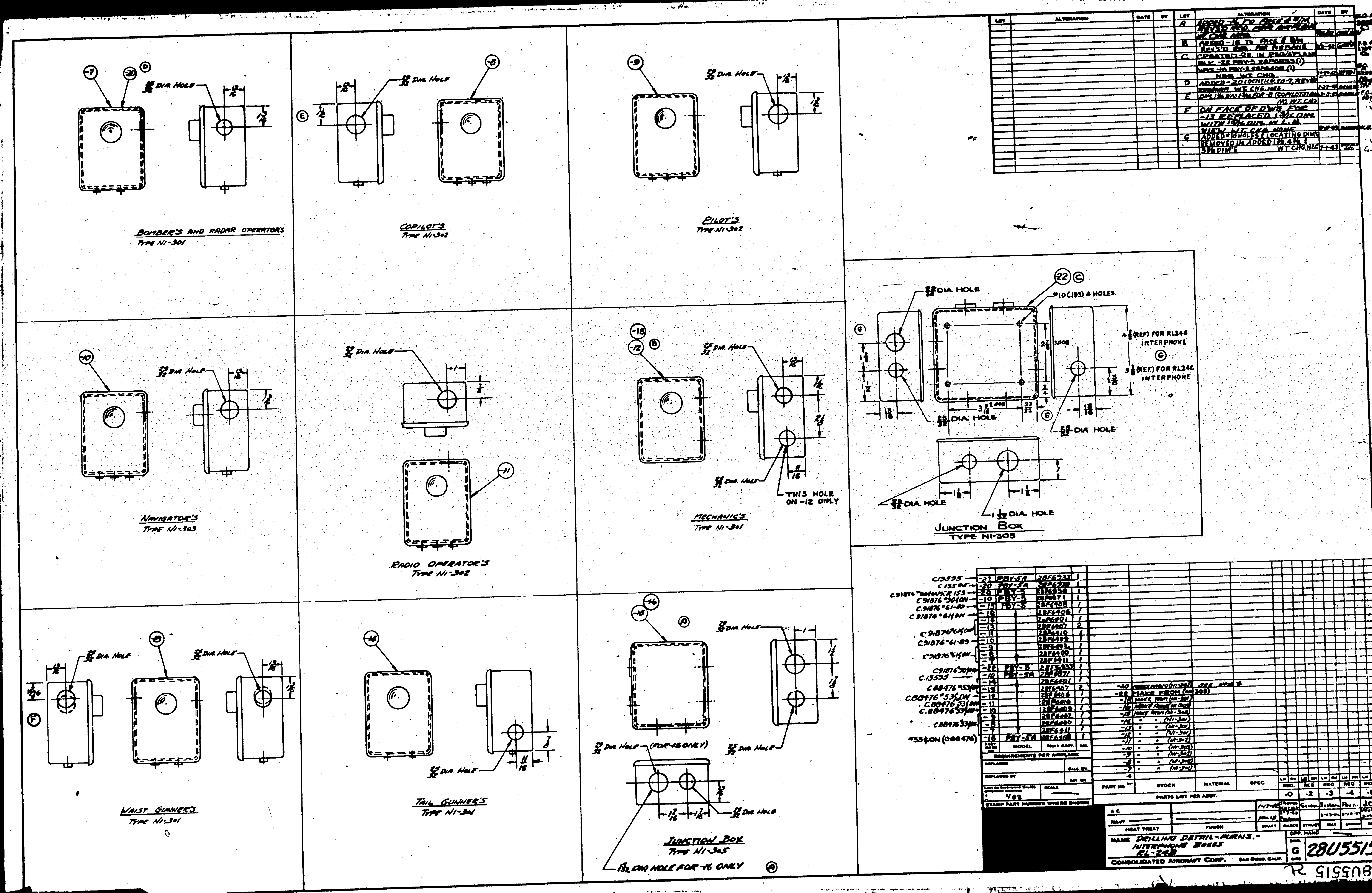
NAME DRILLING DIRECTIONS - INTERPHONE BOXES RL-24 COMMUNICATION EQUIP.

OFF. HAND —

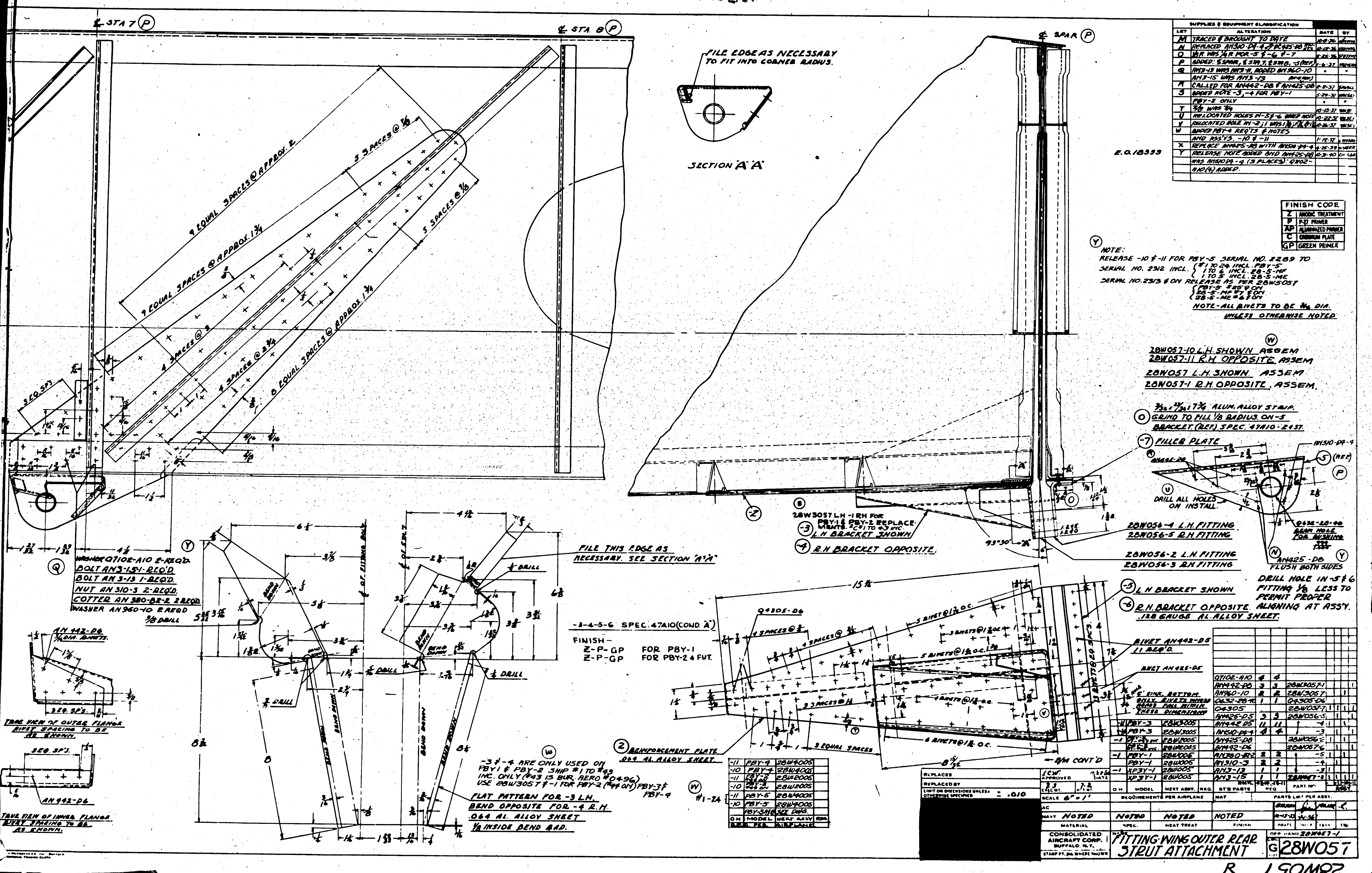
DWG. SIZE G 28U5513

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

HAS BEEN DONE ON #1 PBY-5A



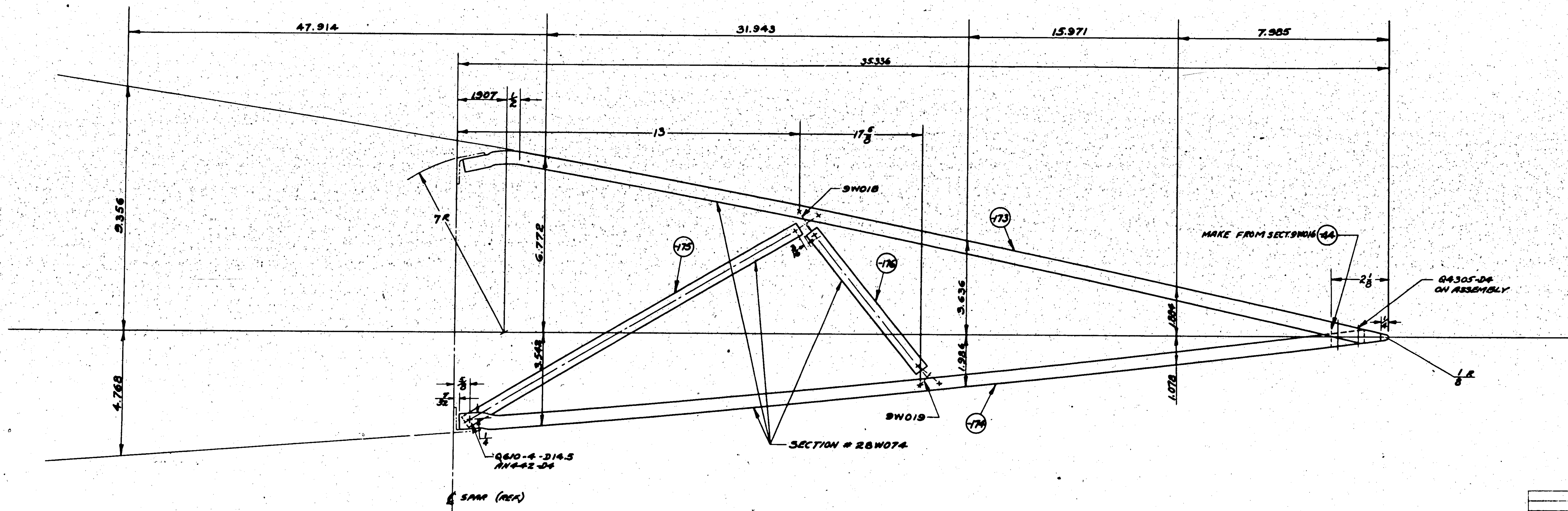
BOMBER'S AND RADAR OPERATOR'S
TYPE NI-301
COPILOT'S
TYPE NI-302
PILOT'S
TYPE NI-302
NAVIGATOR'S
TYPE NI-303
RADIO OPERATOR'S
TYPE NI-302
MECHANIC'S
TYPE NI-301
THIS HOLE ON -12 ONLY
WAIST GUNNER'S
TYPE NI-301
TAIL GUNNER'S
TYPE NI-301
JUNCTION BOX
TYPE NI-305
(FOR-16 ONLY)
$\frac{13}{32}$ DIA HOLE FOR -16 ONLY
JUNCTION BOX
TYPE NI-305
#10(193) 4 HOLES.
$4\frac{3}{8}$ (REF.) FOR RL24B INTERPHONE
$5\frac{3}{8}$ (REF.) FOR RL24C INTERPHONE
$1\frac{1}{32}$ DIA. HOLE
ALTERATION
ADDED -22 IN REQ/AIRPLANE
DRILLING DETAIL-FURNS.-
INTERPHONE BOXES
RL-24B
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.
G 28U5515
PARTS LIST PER ASSY.
PART No
STOCK
MATERIAL
SPEC.
REQUIREMENTS PER AIRPLANE
HEAT TREAT
FINISH



SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
M TRACED & BROUGHT TO DATE 10-8-36
N REPLACED AN310-D4-4 BY AC425-D8 10-17-36
O 1/8 R WAS 1/4 R FOR -5 & -6 & -7 11-25-36
P ADDED: ℄ SPAR, ℄ STA 7, ℄ STA 8, -5 (REF) 1-6-37
Q AN3-13 WAS AN3-11, ADDED AN960-10
AN3-15 WAS AN3-13
R CALLED FOR AN442-D8 & AN425-D8 2-8-37 SMALL
S ADDED NOTE -3, -4 FOR PBY-1 5-29-37
PBY-2 ONLY
T 3/8 WAS 3/4 10-15-37
U RELOCATED HOLES IN -5 & -6 ADDED NOTE 10-22-37
V RELOCATED HOLE IN -2; 1 WAS 1 1/8 10-26-37
W ADDED PBY-4 REQ'TS & NOTES
AND ASS'YS. -10 & -11 1-12-37
X REPLACE AN425-D8 WITH AN510-D4-4 4-26-39
Y RELEASE NOTE ADDED AND AN425-D8 10-3-40
WAS AN510 D4-4 (3 PLACES): Q7102-
A10 (4) ADDED.
E.O. 18393
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP GREEN PRIMER
℄ STA 7 (P)
℄ STA 8 (P)
℄ SPAR (P)
FILE EDGE AS NECESSARY TO FIT INTO CORNER RADIUS.
SECTION "A"A"
(Y) NOTE:
RELEASE -10 & -11 FOR PBY-5 SERIAL NO. 2289 TO SERIAL NO. 2312 INCL.
SERIAL NO. 2313 & ON RELEASE AS PER 28W5057
NOTE - ALL RIVETS TO BE 3/16 DIA. UNLESS OTHERWISE NOTED
28W057-10 L.H. SHOWN ASSEM
28W057-11 R.H. OPPOSITE ASSEM
28W057 L.H. SHOWN ASSEM
28W057-1 R.H. OPPOSITE ASSEM.
3/32 x 27/32 x 1 3/4 ALUM. ALLOY STRIP.
(O) GRIND TO FILL 1/8 RADIUS ON -5 BRACKET (REF) SPEC. 47A10-24ST.
(-7) FILLER PLATE
9 EQUAL SPACES @ APPROX. 2
9 EQUAL SPACES @ APPROX. 1 3/4
8 EQUAL SPACES @ APPROX. 1 3/4
5 SPACES @ 1/8
4 SPACES @ 3
4 SPACES @ 2 3/4
3 EQ. SP'S.
WASHER Q7102-A10 2-REQ'D.
BOLT AN3-15 1-REQ'D
BOLT AN3-13 1-REQ'D
NUT AN 310-3 2-REQ'D.
COTTER AN 380-B2-2 2 REQ'D
WASHER AN 960-10 2 REQ'D
3/8 DRILL
28W3057 LH -1 RH FOR PBY-1 & PBY-2 REPLACEMENTS
(-3) L.H. BRACKET SHOWN
(-4) R.H. BRACKET OPPOSITE.
28W056-4 L.H. FITTING
28W056-5 R.H. FITTING
28W056-2 L.H. FITTING
28W056-3 R.H. FITTING
DRILL ALL HOLES ON INSTALL.
AN425-D8 FLUSH BOTH SIDES
Q432-28-40 REAM HOLE FOR BUSHING
DRILL HOLE IN -5 & 6 FITTING 1/8 LESS TO PERMIT PROPER ALIGNING AT ASS'Y.
FILE THIS EDGE AS NECESSARY. SEE SECTION "A"A"
-3-4-5-6 SPEC. 47A10 (COND. "A")
FINISH -
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUT.
(-5) L.H. BRACKET SHOWN
(-6) R.H. BRACKET OPPOSITE. .128 GAUGE AL. ALLOY SHEET.
RIVET AN442-D5 11 REQ'D.
RIVET AN425-D5
Q4305-D6
(2) REINFORCEMENT PLATE .064 AL. ALLOY SHEET
6 RIVETS @ 1 1/8 O.C.
3 EQUAL SPACES
B/M CONT'D
AN 442-D6
TRUE VIEW OF OUTER FLANGE RIVET SPACING TO BE AS SHOWN.
TRUE VIEW OF INNER FLANGE RIVET SPACING TO BE AS SHOWN.
BEND DOWN
-3 & -4 ARE ONLY USED ON PBY-1 & PBY-2 SHIP #1 TO #43 INC. ONLY (#43 IS BUR. AERO #0496) USE 28W3057 & -1 FOR PBY-2 (#44 ON) PBY-3 & PBY-4
FLAT PATTERN FOR -3 L.H. BEND OPPOSITE FOR -4 R.H. .064 AL. ALLOY SHEET 1/8 INSIDE BEND RAD.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED
SCALE 6" = 1'
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
FITTING-WING OUTER REAR STRUT ATTACHMENT
OPP HAND 28W057-1
G 28W057
R 28W057

LET	ALTERATION	DATE	BY
A	TRACED	[illegible]	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION



NOTE –
THIS RIB USED ON RIGHT HAND AILERON ONLY FOR PBY-2 & PBY-3 & PBY-4

FINISH – Z-P-[illegible] GP FOR PBY-1
Z-P-[illegible] FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE

GP-GREEN PRIME.
FINISH CODE

O.H.	MODEL	NEXT ASSY.	REQ.
	PBY-4	28W200-1	
	PBY-3	28W2010-1	
	PBY-2	28W2010-1	
	PBY-1	28W010-1	
	PBY-1	28W010	
	XP3Y-1	28W010-1	
	XP3Y-1	28W010	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
			Q4305-D4	2	2
			Q610-4-D14.5	1	1
			9W018	1	1
			9W019	1	1
			-176	1	1
			-175	1	1
			-174	1	1
			-173	1	1
AN442-D4	8	8	28W071-44	1	1

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

APPROVED [illegible] DATE 4-23-37
CALC.WT. ACT.WT.
SCALE 6"=1'0"
AC
NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NOTED	NOTED

DRAFT	CHECK	EXAM.	ENG.
[illegible]	[illegible] A.M.P.		L.

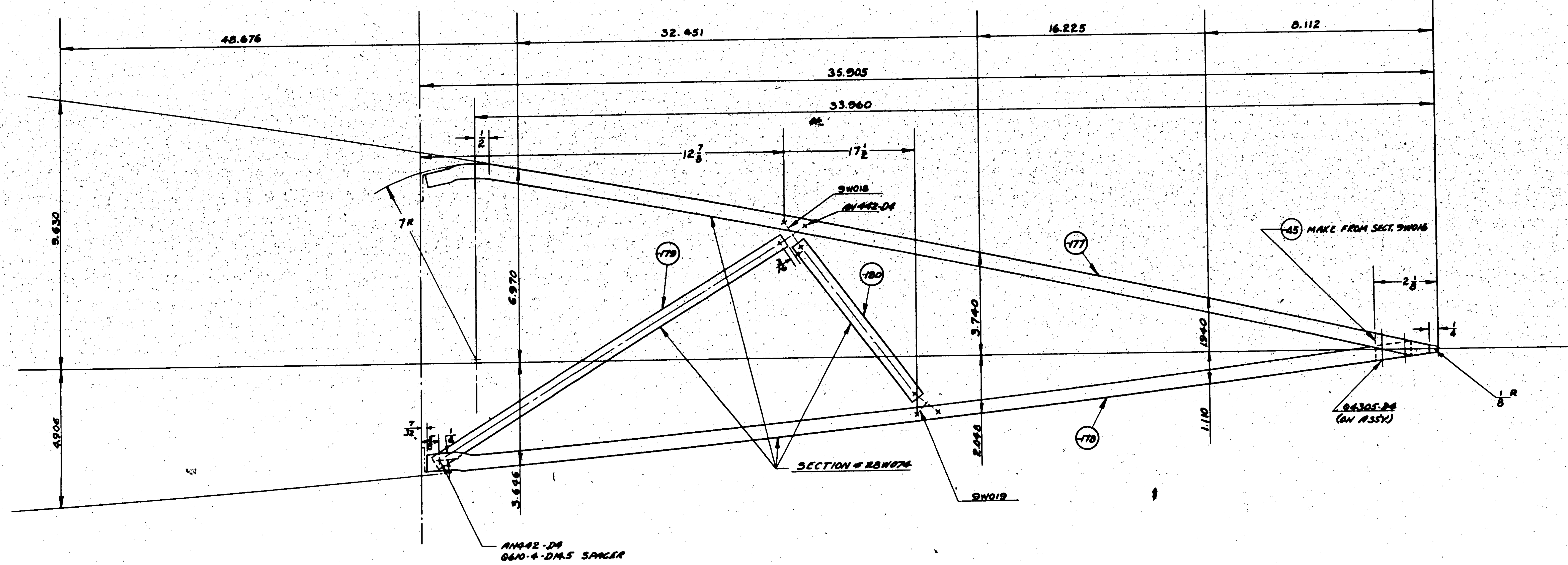
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

NAME: RIB #13 - WING - AILERON

OPP. HAND

DWG. G 28W071-223

LET	ALTERATION	DATE	BY
A	TRACED		



NOTE-
THIS RIB USED ON RIGHT HAND AILERON ONLY FOR PBY-2 & PBY-3

FINISH GP FOR PBY-1, Z-P-AP FOR PBY-2, Z-P-AP FOR PBY-3 & FUTURE

GP - GREEN PRIME

FINISH CUL

					STD PARTS	REQ. LH	REQ. RH	PART NO.	REQ.
								Q4305-D4	2
								Q610-4-DM.5	1
								9W019	1
								9W018	1
	PBY-4	28W2010-1							
	PBY-3	28W2010-1							
	PBY-2	28W2010-1						-180	1
	PBY-1	28W010-1						-179	1
	PBY-1	28W010						-178	1
	XP3Y-1	28W010-1						-177	1
	XP3Y-1	28W010			AN442-D4	8	8	28W071-45	1
O.H.	MODEL	NEXT ASSY.	REQ.						

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES	APPROVED	DATE 4-27-37
REPLACED BY	CALC.WT.	ACT.WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010	SCALE 6" = 1'0"	
	AC	
	NAVY NOTED	
	MATERIAL	

NOTED	NOTED	NOTED
SPEC.	HEAT TREAT	FINISH

DRAFT: HMP · CHECK: 5-14-37 · EXAM.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

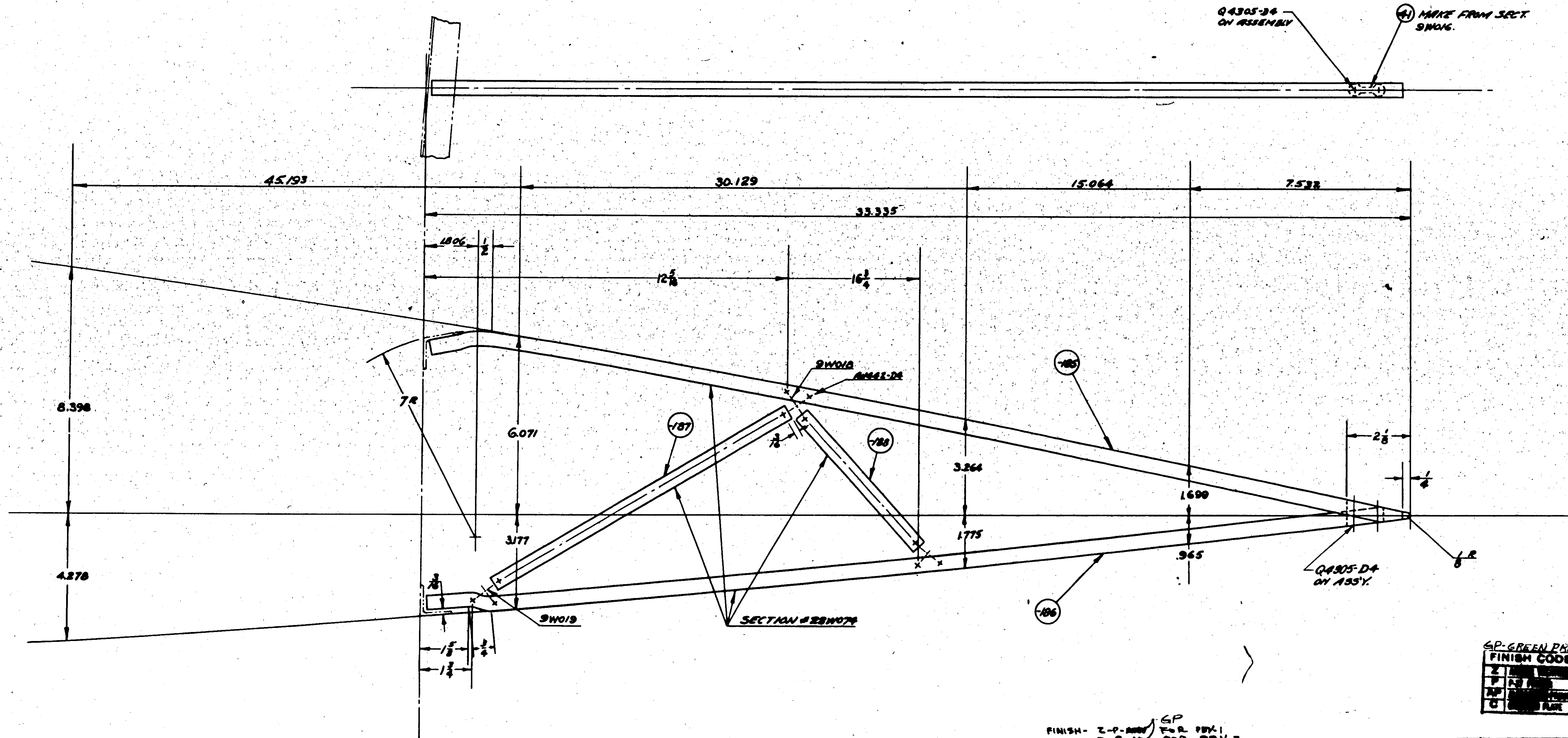
NAME: RIB #13.8 - WING - AILERON

OPP. HAND —

DWG SIZE G 28W071-232

LET	ALTERATION	DATE	BY
A	TRACED	4-26-37	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION



GP-GREEN PRIME

FINISH CODE	
Z	[illegible]
P	[illegible]
AP	[illegible]
C	[illegible] PLATE

FINISH- Z-P-[illegible] GP FOR PBY-1
Z-P-[illegible] FOR PBY-2
Z-P-AP FOR PBY-3 & FUTURE

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
	PBY-4	28W2010-1					Q4305-D4	2	2
	PBY-4	28W2010							
	PBY-3	28W2010-1					9W019	2	2
	PBY-3	28W2010					9W018	1	1
	PBY-2	28W2010-1							
	PBY-2	28W2010					-41	1	1
	PBY-1	28W1010-1					-188	1	1
	PBY-1	28W1010					-187	1	1
	XP3Y-1	28W010-1					-186	1	1
	XP3Y-1	28W010		AN442-D4	10	10	28W071-185	1	1

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010

APPROVED [illegible] DATE 4-26-37
CALC.WT. ACT.WT.
SCALE 6" = 1'0"
AC
NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NOTED	NOTED

DRAFT	CHECK	EXAM.	ENG.
5-10-37 [illegible]	I.M.P.		
[illegible] 5-11-37			L

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.
STAMP PT. No. WHERE SHOWN

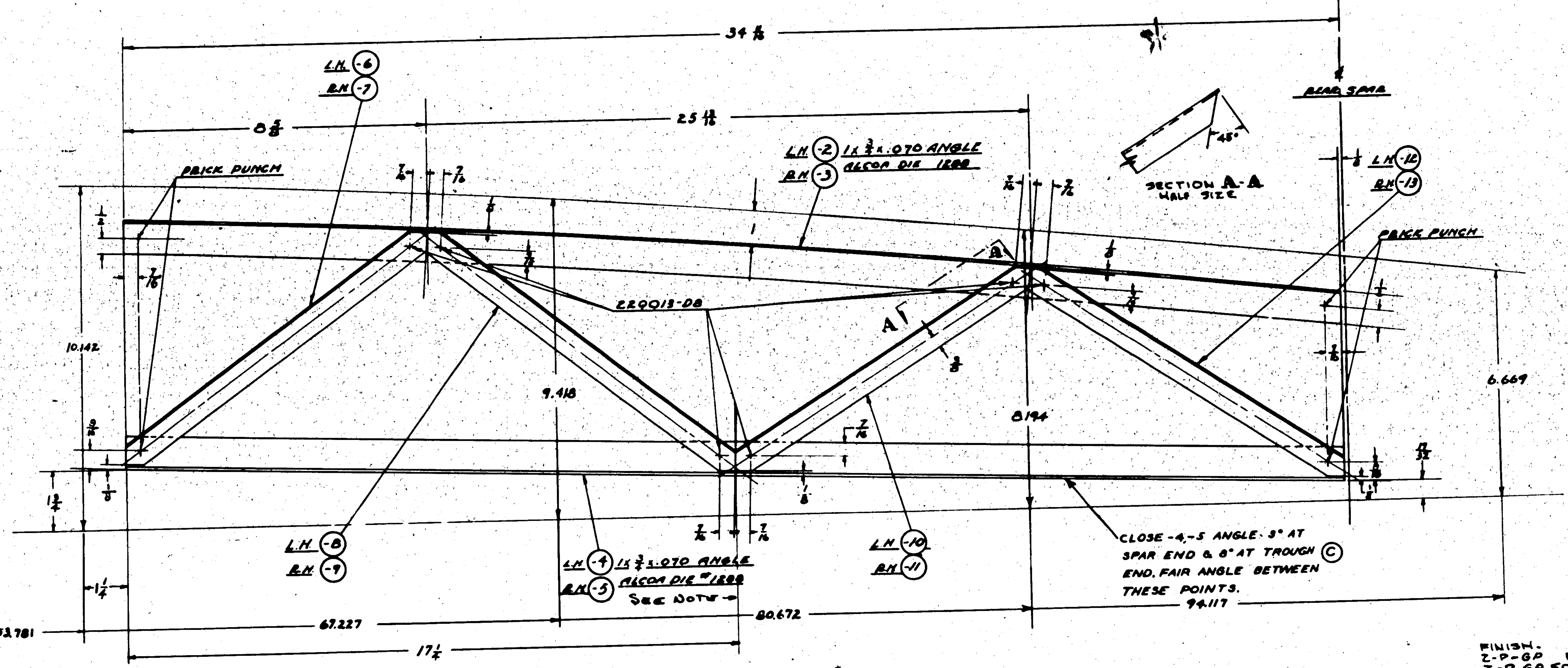
NAME: RIB #10 - WING - AILERON

OPP. HAND

DWG. SIZE G 28W071-2[illegible]

B.A.C.E.O. 103

LET	ALTERATION	DATE	BY
A	TRACED	9-10-3[illegible]	[illegible]
C	NOTE CLOSING ANGLE ADDED	10-4-40	
	ADDED PBY-5 REQ.		
D	ON FACE OF DWG. REMOVED FOR -6,		
	-7, -8, -9, -10, -11, -12, & -13 "$\frac{3}{4}$ x $\frac{3}{4}$		
	x .060 ANGLE ALCOA DIE K5401,"		
	ADDED MAT'L. NOTE TO FACE (WT. CHG. [illegible])	3-25-93	KNIGHT



FINISH-
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

L.H. SHOWN
R.H. OPPOSITE.

GP-GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P.27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE
ALL MATERIAL EXTRUDED AL ALLOY SPEC. 46A9 (COND T) ALLOY 24-T.

MATERIAL NOTES:-
1. MATERIAL FOR -6, -7, -8, -9, -10, -11, -12, & -13 MAY BE:
A. Y-2-A27RT, OR
B. K5401, 24 ST AL. ALLOY EXTR., SPEC. 46A9 COND. T.

D.H.	MODEL	NEXT ASSY.	REQ
-R	PBY-5A & B	28W009	1EA
-1	PBY-4 & 5	28W004-1	
	PBY-4 & 5	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
	XP3Y-1	28W004	
-L	PBY-5A & B	28W009	1EA

PART NO.	L.H.	R.H.
-13		1
-12	1	
-11		1
-10	1	
-9		1
-8	1	
-7		1
-6	1	
-5		1
-4	1	
-3		1
28W097-2	1	

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
DATE 10-16-35
1.220 CALC WT.
SCALE 6"-1'-0"
NAVY NOTED — MATERIAL
NOTED
NONE — HEAT TREAT
NOTED — FINISH
5-4-34
28W097-1

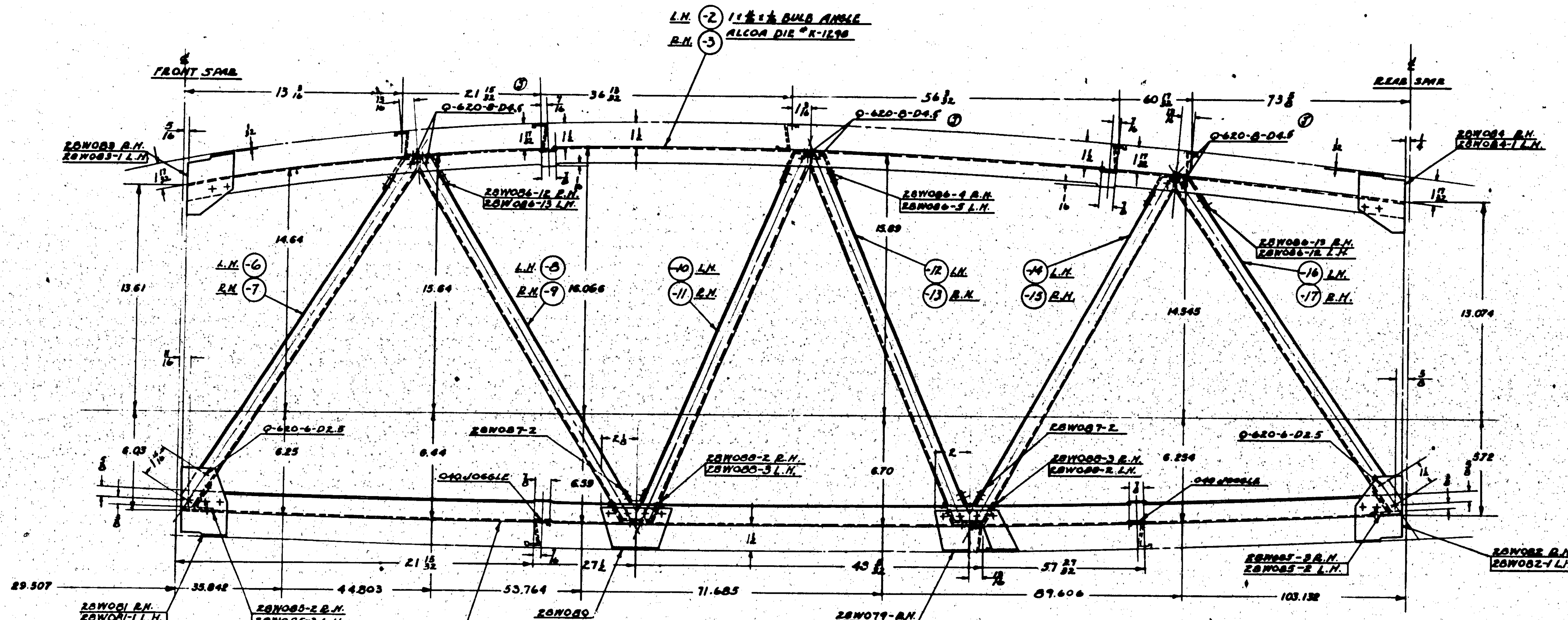
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.

NAME BULKHEAD
WING - OUTER PANEL - STA. "22" - REAR

G 28W097

R 28W097

LET	ALTERATION	DATE	BY
I	TRACED	[illegible]	[illegible]
J	Q-620-8-D4.5 WAS Q-630-8-D4	[illegible]	[illegible]
K	REVISED ORDINATES	[illegible]	[illegible]
L	IN MAT'L NOTE FOR -6 TO -17 INCL. REPLACED "1 x 11/16 x .063 "Z SECTION ALCOA DIE # K9047" WITH "MADE FROM Y-57-A20T" WT. CHG. +.273	4-13-4[illegible]	[illegible]



MAT'L NOTE
WEB MEMBERS -6-7-8-9-10-11-12-13-14-15-16-17 TO BE MADE FROM Y-57-A20T.

ALL EXTRUDED SECTIONS AL. ALLOY. SPEC. 46A9 (CONDITION T) ALLOY 24-T.

R.H. SHOWN
L.H. OPPOSITE

FINISH –
2-GP. FOR PBY-1
2AGP. FOR PBY-2 & FUTURE

GP-GREEN PRIME

FINISH CODE

NOTE
SEE DWG 28W113 FOR JOINT CONSTRUCTION & RIVETS.

USE CONTOUR TEMPLATE T-103/86
FOR THIS BULKHEAD

D.N.	MODEL	NEXT ASSY.	REQ.
-1	28-5AMN	28W004	
	28-5AMN	28W004	
-1	28-5AMC	28W004	
	28-5AMC	28W004	
-1	28-5MN	28W004	
	28-5MN	28W004	
-1	28-5ME	28W004	
	28-5ME	28W004	
-1	28-5MC	28W004	
	28-5MC	28W004	
-1	28-5MA	28W004	
	28-5MA	28W004	
-1	PBY-5[illegible]	28W004	1EA
-1	PBY-5	28W004-1	
	PBY-5	28W004	
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XPBY-1	28W004-1	
	XPBY-1	28W004	
	[illegible]	28W004	1EA

REQUIREMENTS PER AIRPLANE

STD PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
			28W088-3	1	1
			28W088-2	1	1
			28W087-2	2	2
			28W086-5	1	
			28W086-4		1
			28W086-13	1	1
			28W086-12	1	1
			28W085-3	1	1
			28W085-2	1	1
			28W084-1	1	
			28W084		1
			28W083-1	1	
			28W083		1
			28W082-1	1	
			28W082		1
			28W081-1	1	
			28W081		1
			28W080	1	1
			28W079-1	1	
			28W079		1
			-17		1
			-16	1	
			-15		1
			-14	1	
			-13		1
			-12	1	
			-11		1
			-10	1	
			-9		1
			-8	1	
			-7		1
			-6	1	
			-5		1
			-4	1	
Q-620-6-D2.5	2	2	-3		1
Q-620-8-D4.5	6	6	28W111-2	1	

MAT. — PARTS LIST PER ASSY.

REPLACES	28W111 OF 1-17-34
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015
APPROVED / DATE	[illegible] 10-16-35
CALC. WT.	4.0
ACT. WT.	4.2
SCALE	3" = 1'-0"
MATERIAL	NAVY NOTED
SPEC.	NOTED
HEAT TREAT	NONE
FINISH	NOTED
DRAFT	[illegible] 2-26-34
CHECK	[illegible]
ENGR.	[illegible] 4-8-34
OPP. HAND	28W111-1

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

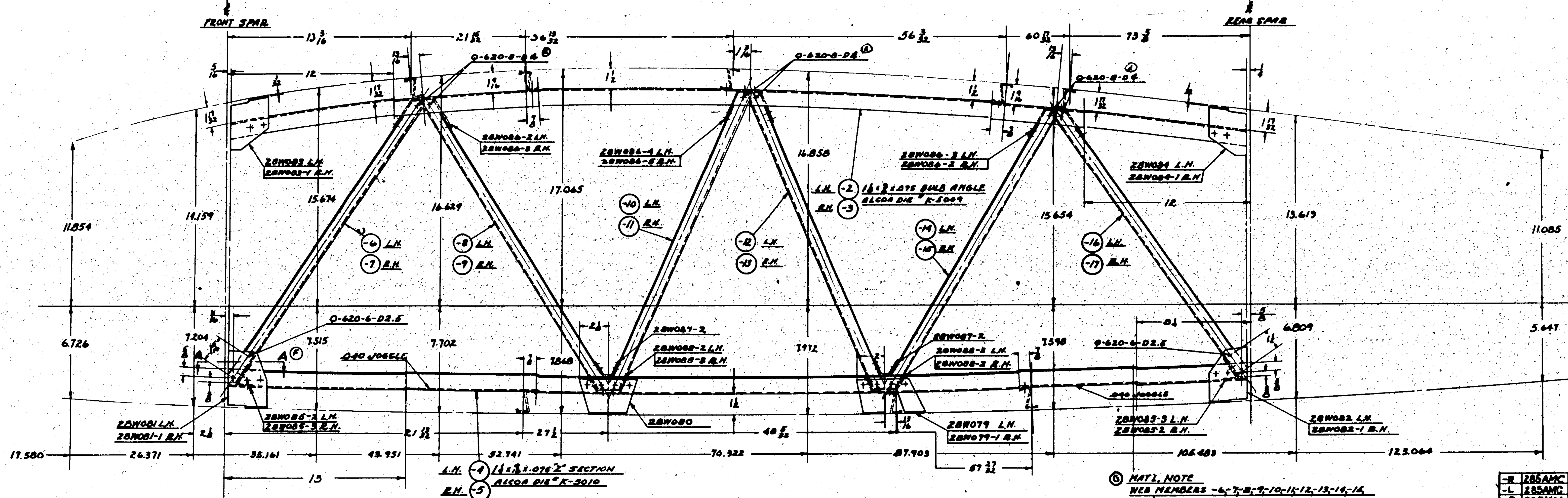
NAME
BULKHEAD
WING - STA. # 11 - OUTER PANEL.

G 28W111

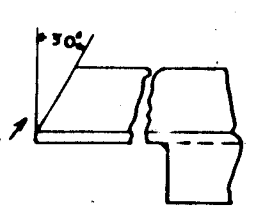
LET	ALTERATION	DATE	BY
D	TRACED	[illegible]	[illegible]
E	0620-8-D4 WAS 0620-8-D3.5	11-12-40	[illegible]
F	ADDED SECTION A-A SHOWING TRIM	4/19/41	[illegible]
G	ON FACE IN MAT'L NOTE CHANGED MAT. FOR WEB MEMBERS FROM "1 x 7/8 x .080 'Z' SECTION ALCOA DIE 'K-9047'" TO "MAKE FROM Y-37-A20T" WT. CHG. [illegible]	[illegible]	[illegible]

SUPPLIES & EQUIPMENT CLASSIFICATION

BKG. 286 BREWSTER E.O. 2957 PBY-5



TRIM LOWER LEG OF -4 -5 BACK 30° AS SHOWN (F)



SECT. A-A

(G) MAT'L NOTE
WEB MEMBERS -6,-7,-8,-9,-10,-11,-12,-13,-14,-15,-16 & -17 MAKE FROM Y-37-A20T.

ALL EXTRUDED SECTIONS - AL. ALLOY. SPEC. 46A9 (CONDITION T) ALLOY 24-T.

L.H. SHOWN
R.H. OPPOSITE

FINISH
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

NOTE
SEE DWG. 28W113 FOR JOINT CONSTRUCTION & RIVETS.

O.H.	MODEL	NEXT ASSY.	REQ.
-R	28SAMC	28W004	1
-L	28SAMC	28W004	1
-R	28SMN	28W004	1
-L	28SMN	28W004	1
-R	28SME	28W004	1
-L	28SME	28W004	1
-R	28SMC	28W004	1
-L	28SMC	28W004	1
-R	28SMA	28W004	1
-L	28SMA	28W004	1
-R	OA-10	28W004	1
-L	OA-10	28W004	1
-R	PBY-5MF	28W004	1EA
-1	PBY-5	28W004-1	1
	PBY-5	28W004	1
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
	XP3Y-1	28W004	
-L	PBY-5MF	28W004	1EA
-R	28SAMN	28W004	1
-L	28SAMN	28W004	1

REQUIREMENTS PER AIRPLANE

GP-GREEN PRIME

STD PARTS	LH REQ.	RH REQ.
(E) 0-620-6-D2.5	2	2
0-620-8-D4	6	6

PART NO.	LH REQ.	RH REQ.
28W088-3	1	1
28W088-2	1	1
28W087-2	2	2
28W086-5		1
28W086-4	1	
28W086-3	1	1
28W086-2	1	1
28W085-3	1	1
28W085-2	1	1
28W084-1		1
28W084	1	
28W083-1		1
28W083	1	
28W082-1		1
28W082	1	
28W081-1		1
28W081	1	
28W080	1	1
28W079-1		1
28W079	1	
-17		1
-16	1	
-15		1
-14	1	
-13		1
-12	1	
-11		1
-10	1	
-9		1
-8	1	
-7		1
-6	1	
-5		1
-4	1	
-3		1
28W112-2	1	

PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015
APPROVED	10-16-35 DATE
CALC. WT.	4.8 [illegible]
ACT. WT.	4.7
SCALE	3" = 1'-0"
MATERIAL	NAVY NOTED
SPEC.	NOTED
HEAT TREAT	NONE
FINISH	NOTED
DRAFT / CHECK / EXAM. / ENG.	[illegible] 3-17-35 / 9-30 / [illegible] / L.

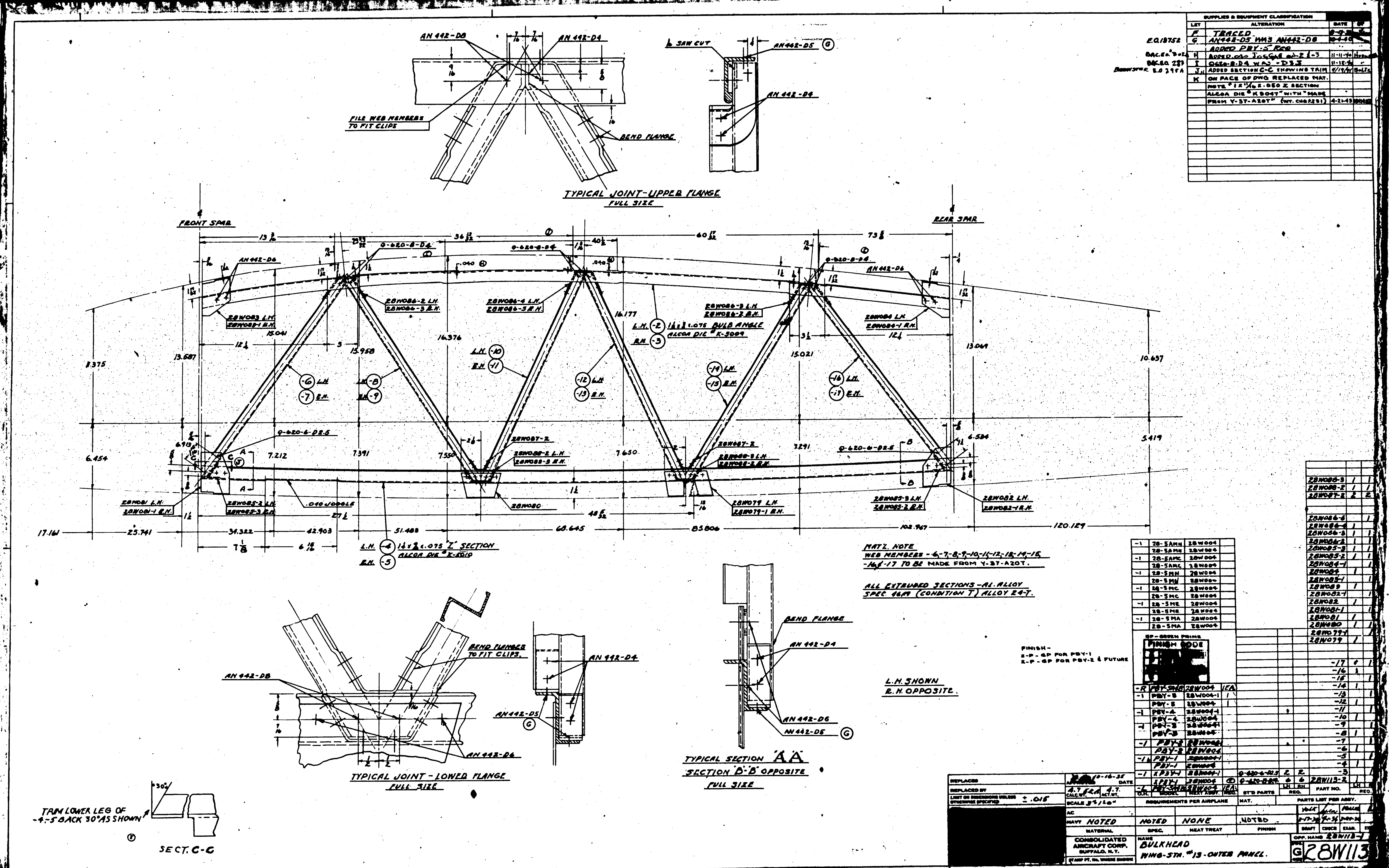
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

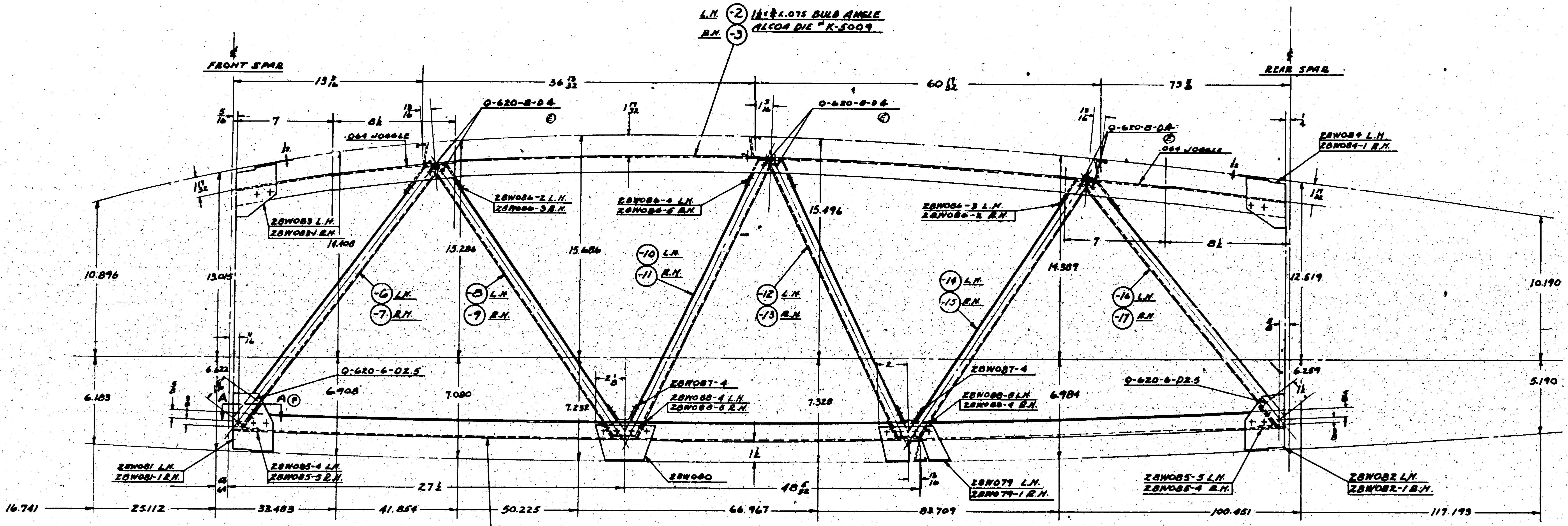
NAME: BULKHEAD WING-STA. #12-OUTER PANEL

OPP. HAND 28W112-1

G 28W112



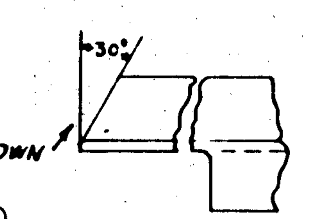
SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE
F | TRACED
E.O.18752 G | AN442-D5 WAS AN442-D6 | 10-4-40
ADDED PBY-5 REQ
H | ADDED .040 JOGGLE on -2 & -3 | 11-11-40
I | Q620-8-D4 WAS -D3.5
J | ADDED SECTION C-C SHOWING TRIM | 4/19/41
K | ON FACE OF DWG REPLACED MAT. NOTE "1 x 11/16 x .050 Z SECTION ALCOA DIE K3047" WITH "MADE FROM Y-37-A20T" (WT. CHG 2281) | 4-21-43
TYPICAL JOINT-UPPER FLANGE
FULL SIZE
FILE WEB MEMBERS TO FIT CLIPS
BEND FLANGE
SAW CUT
AN442-D8
AN442-D4
AN442-D5
AN442-D6
FRONT SPAR
REAR SPAR
Q-620-8-D4
Q-620-6-D2.5
28W086-2 L.H.
28W086-3 R.H.
28W086-4 L.H.
28W086-5 R.H.
28W083 L.H.
28W083-1 R.H.
28W084 L.H.
28W084-1 R.H.
28W087-2
28W088-2 L.H.
28W088-3 R.H.
28W080
28W081 L.H.
28W081-1 R.H.
28W085-2 L.H.
28W085-3 R.H.
28W079 L.H.
28W079-1 R.H.
28W082 L.H.
28W082-1 R.H.
.040 JOGGLE
L.H. -2 1 1/2 x 7/8 x .075 BULB ANGLE ALCOA DIE # K-3009
R.H. -3
L.H. -4 1 1/2 x 7/8 x .075 "Z" SECTION ALCOA DIE # K-5010
R.H. -5
MAT'L. NOTE
WEB MEMBERS -6,-7,-8,-9,-10,-11,-12,-13,-14,-15,-16 & -17 TO BE MADE FROM Y-37-A20T.
ALL EXTRUDED SECTIONS - AL. ALLOY SPEC. 46A9 (CONDITION T) ALLOY 24-T.
L.H. SHOWN
R.H. OPPOSITE
FINISH -
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE
TYPICAL JOINT - LOWER FLANGE
FULL SIZE
BEND FLANGES TO FIT CLIPS.
TYPICAL SECTION "A-A"
SECTION "B-B" OPPOSITE
FULL SIZE
TRIM LOWER LEG OF -4,-5 BACK 30° AS SHOWN
SECT. C-C
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
APPROVED 10-16-35 DATE
4.7 CALC. WT. 4.7 ACT. WT.
SCALE 3"/10"
NAVY NOTED
MATERIAL
NOTED SPEC.
NONE HEAT TREAT
NOTED FINISH
REQUIREMENTS PER AIRPLANE
ST'D PARTS
PART NO.
PARTS LIST PER ASSY.
DRAFT CHECK EXAM.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME BULKHEAD WING-STA. #13-OUTER PANEL.
OPP. HAND 28W113-1
G 28W113



L.H. (-4) 1 1/2 x 3/4 x .075 "Z" SECTION
R.H. (-5) ALCOA DIE # K-5010

MAT'L NOTE
WEB MEMBERS -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17 TO BE MADE FROM Y-37-A20T.

ALL EXTRUDED SECTIONS - AL. ALLOY. SPEC. 46A9 (CONDITION T) ALLOY 24-T.



TRIM LOWER LEG OF -4-5 BACK 30° AS SHOWN

SECT. A-A

L.H. SHOWN
R.H. OPPOSITE

FINISH:
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

NOTE
SEE DWG. 28W113 FOR JOINT CONSTRUCTION & RIVETS

GP - GREEN PRIME

LET	ALTERATION	DATE	BY
D	TRACED		
E	Q620-8-D4 WAS -D3.5	11-12-36	
F	ADDED SECTION A-A SHOWING TRIM	4/19/41	BOLTZ
G	IN MAT'L NOTE FOR -6 TO -17 INCL. REPLACED "1 5/16 x .050 Z" SECTION ALCOA DIE # K3047" WITH "Y-37-A20T"		
	WT CHG. +.231	4-19-45	

BACED 283
E.D. 295A
PBY-5

O.H.	MODEL	NEXT ASSY.	REQ.	STD PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
							28W088-5	1	1
							28W088-4	1	1
							28W087-4	2	2
							28W086-6		1
							28W086-4	1	
							28W086-3	1	1
							28W086-2	1	1
-1	28-5AMN	28W004					28W085-5	1	1
	28-5AMN	28W004					28W085-4	1	1
-1	28-5AMC	28W004					28W084-1		1
	28-5AMC	28W004					28W084	1	
-1	28-5MN	28W004					28W083-1		1
	28-5MN	28W004					28W083	1	
-1	28-5ME	28W004					28W082-1		1
	28-5ME	28W004					28W082	1	
-1	28-5MC	28W004					28W081-1		1
	28-5MC	28W004					28W081	1	
-1	28-5MA	28W004					28W080	1	1
	28-5MA	28W004					28W079-1		1
							28W079	1	
							-17	-	1
							-16	1	
							-15		1
-1	PBY-5A	28W004	1 EA.				-14	1	
-1	PBY-5	28W004-1					-13		1
	PBY-5	28W004					-12	1	
-1	PBY-4	28W004-1					-11		1
	PBY-4	28W004					-10	1	
-1	PBY-3	28W004-1					-9		1
	PBY-3	28W004					-8	1	
-1	PBY-2	28W004-1					-7		1
	PBY-2	28W004					-6	1	
-1	PBY-1	28W004-1					-5		1
	PBY-1	28W004					-4	1	
-1	XPBY-1	28W004-1		(2) Q-620-8-D4	6	6	-3		1
	XPBY-1	28W004		Q-620-6-D2.5	2	2	28W114-2	1	
	PBY-5A	28W004	1 EA.						

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015

APPROVED 10-16-35 DATE
CALC. WT. 4.7 — ACT. WT. 4.6
SCALE 3" = 1'-0"
AC

	MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY	NOTED	NOTED	NONE	NOTED.

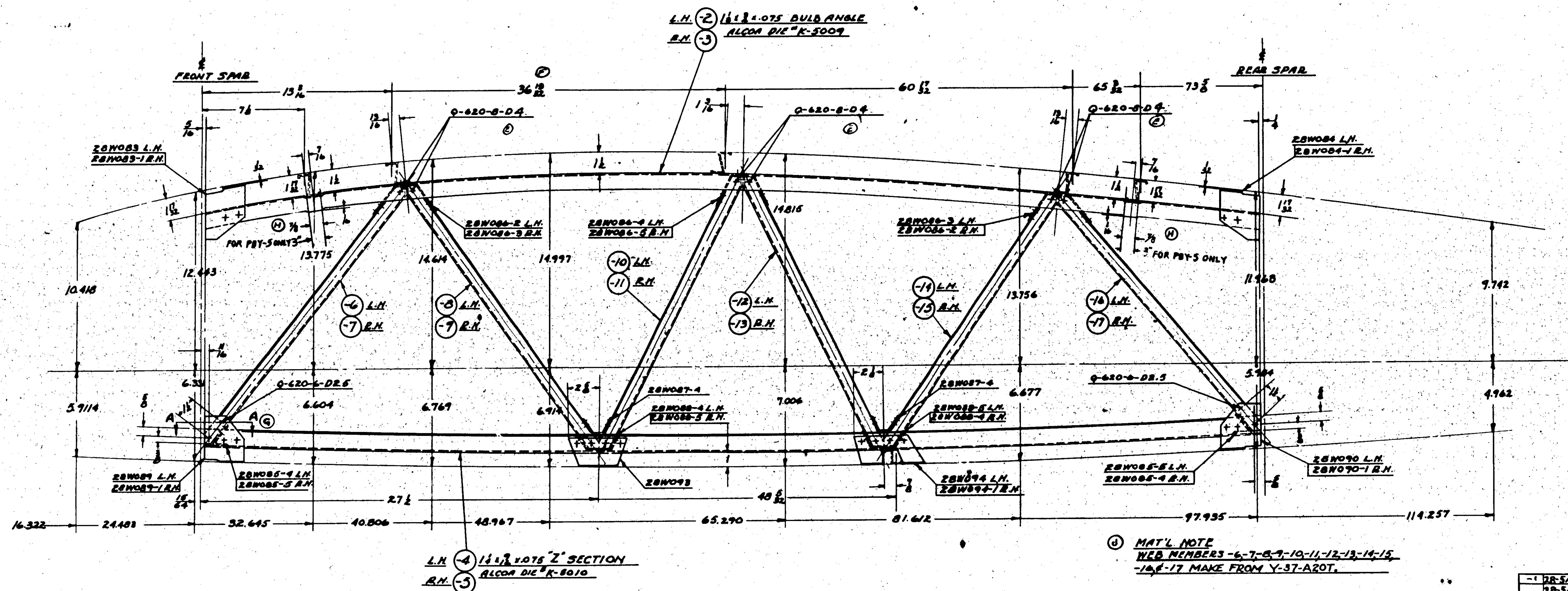
DRAFT — CHECK — EXAM. — ENG.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: BULKHEAD WING - STA. #14 OUTER PANEL.

OPP. HAND 28W114-1

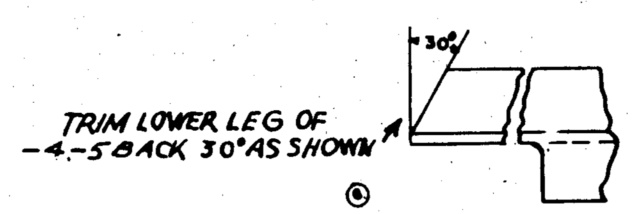
G 28W114



MAT'L NOTE

Web members -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16 & -17 make from Y-37-A20T.

All extruded sections - Al. alloy. Spec. 46A9 (Condition T) alloy 24-T.



SECT. AA

ZP-GREEN PRIME

L.H. SHOWN
R.H. OPPOSITE

FINISH
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

NOTE
SEE DWG. 28W113 FOR JOINT CONSTRUCTION & RIVETS

BACEO. 283
BRCEO. 102
BREWSTER E.O. 2-95A PBY-5
BREWSTER E.O.

SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
D	TRACED		
E	Q620-8-D4 WAS -D3.5		
F	36 13/32 WAS 28 13/32		
G	ADDED SECTION A-A SHOWING TRIM	9/19/41	
H	3" DIM WAS 7/8" DIM. CHG 2 PLACES		
	WT CHG NEG.		
J	ON FACE IN MAT'L NOTE. CHANGED MAT'L FOR WEB MEMBERS -6 TO -17 INCL. FROM "1 x 1/2 x .050 "Z" SECTION ALCOA DIE K-9047" TO "MAKE FROM Y-37-A20T." WT. CHG + .2160		

O.H.	MODEL	NEXT ASSY.	REQ.
-1	28-5AMN	28W004-1	
	28-5AMN	28W004	
-1	PBY-5B	28W004-1	1
	PBY-5B	28W004	1
-1	28-5AMC	28W004-1	
	28-5AMC	28W004	
-1	28-5MN	28W004-1	
	28-5MN	28W004	
-1	28-5ME	28W004-1	
	28-5ME	28W004	
-1	28-5MC	28W004-1	
	28-5MC	28W004	
-1	28-5MA	28W004-1	
	28-5MA	28W004	
-1	PBY-5A	28W004-1	1
	PBY-5A	28W004	1
-1	PBY-5	28W004-1	1
	PBY-5	28W004	1
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1		
	XP3Y-1		

REQUIREMENTS PER AIRPLANE

STD PARTS	LH REQ.	RH REQ.
Q-620-6-D2.5	2	2
(E) Q-620-8-D4	6	6

PART NO.	LH REQ.	RH REQ.
28W094-1		1
28W094	1	
28W093	1	1
28W090-1		1
28W090	1	
28W089-1		1
28W089	1	
28W088-5	1	1
28W088-4	1	1
28W087-4	2	2
28W086-5		1
28W086-4	1	
28W086-3	1	1
28W086-2	1	1
28W085-5	1	1
28W085-4	1	1
28W084-1		1
28W084	1	
28W083-1		1
28W083	1	
-17		1
-16	1	
-15		1
-14	1	
-13		1
-12	1	
-11		1
-10	1	
-9		1
-8	1	
-7		1
-6	1	
-5		1
-4	1	
-3		1
28W115-2	1	

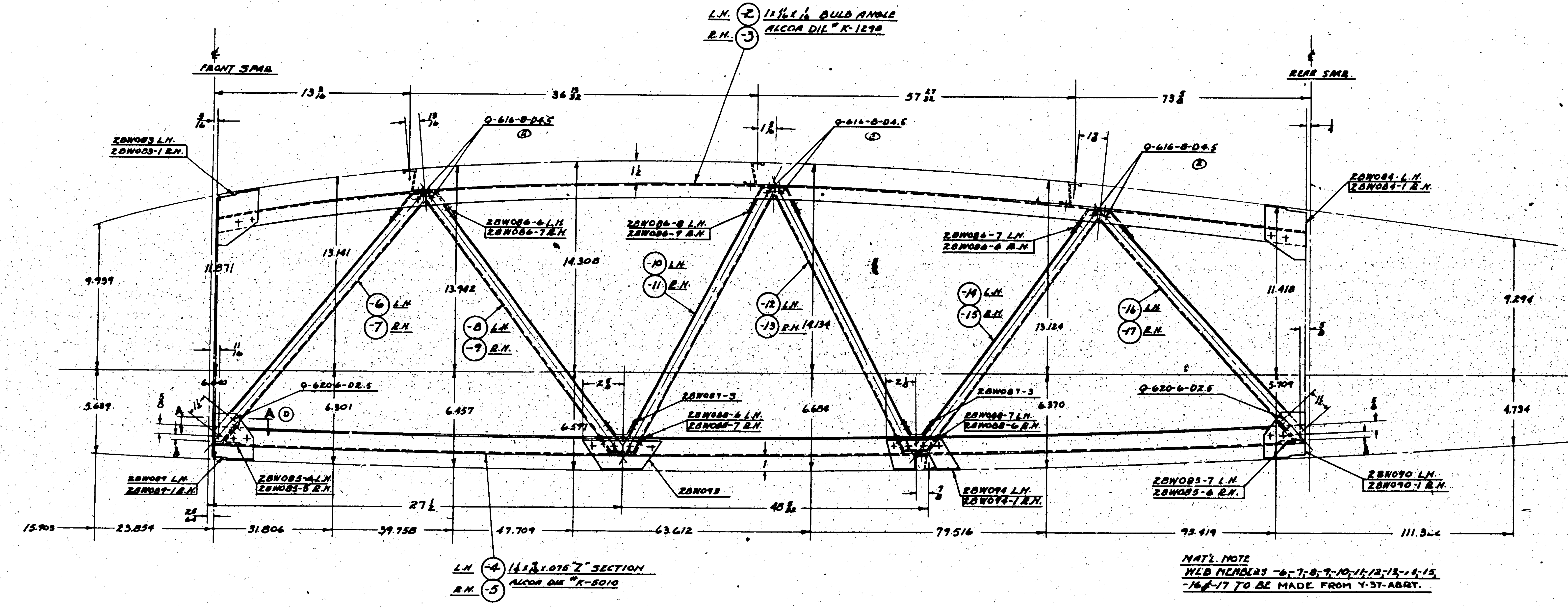
PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015
APPROVED / DATE	-16-35
CALC. WT.	4.5
ACT. WT.	4.4
SCALE	3" = 1'0"
MATERIAL	NAVY NOTED
SPEC.	NOTED
HEAT TREAT	NONE
FINISH	NOTED
DRAFT	YACK
CHECK	
EXAM.	HMR
ENG.	L.
OPP. HAND	28W115-1
NAME	BULKHEAD WING - STA. #13 OUTER PANEL.
	G 28W115

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

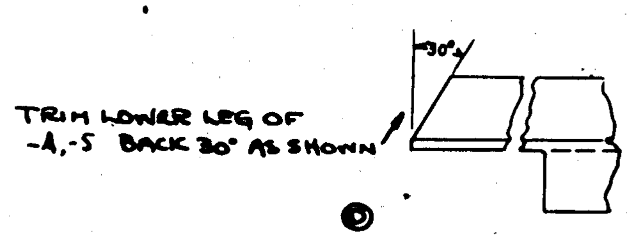
STAMP PT. No. WHERE SHOWN

LET	ALTERATION	DATE	BY
C	TRACED		
D	ADDED SECT. A-A, SHOWING TRIM		
E	Q616-8-D4.5 WAS -D4		
F	ON FACE OF DWG IN MAT. NOTE REPLACED 11/16 x 5/8 x .045 'Z' SECT. ALCOA DIE K3048 WITH Y-37-ABRT.		
	REQ/PLANE TO DATE (WT. CHG. -.36)	4-21-43	KNIGHT



MAT'L. NOTE
WEB MEMBERS -6,-7,-8,-9,-10,-11,-12,-13,-14,-15,-16,-17 TO BE MADE FROM Y-37-ABRT.

ALL EXTRUDED SECTIONS-AL. ALLOY. SPEC. 4649 (CONDITION T) ALLOY 24-T.



SECT. A-A

L.H. SHOWN
R.H. OPPOSITE

NOTE
SEE DWG. 28W113 FOR JOINT CONSTRUCTION & RIVETS.

GP-GREEN PRIME
FINISH CODE

O.H.	MODEL	NEXT ASSY.	REQ.
-1	28-5AMN	28W004	
	28-5AMN	28W004	
-1	28-5AMC	28W004	
	28-5AMC	28W004	
-1	28-5MN	28W004	
	28-5MN	28W004	
-1	28-5MC	28W004	
	28-5MC	28W004	
-1	28-5ME	28W004	
	28-5ME	28W004	
-1	28-5MA	28W004	
	28-5MA	28W004	
-R	PBY-5MB	28W004	1EA
-L	PBY-5MB	28W004	1EA
-1	PBY-5	28W004-1	1
	PBY-5	28W004	1
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
	XP3Y-1	28W004	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
			28W094-1		1
			28W094	1	
			28W093	1	1
			28W090-1		1
			28W090	1	
			28W089-1		1
			28W089	1	
			28W088-7	1	1
			28W088-6	1	1
			28W087-3	2	2
			28W086-9		1
			28W086-8	1	
			28W086-7	1	1
			28W086-6	1	1
			28W085-7	1	
			28W085-6		1
			28W084-1		1
			28W084	1	
			28W083-1		1
			28W083	1	
			28W085-5		1
			28W085-4	1	
			-17		1
			-16	1	
			-15		1
			-14	1	
			-13		1
			-12	1	
			-11		1
			-10	1	
			-9		1
			-8	1	
			-7		1
			-6	1	
			-5		1
			-4	1	
Q-620-6-D2.5	2	2	-3		1
(2) Q-616-8-D4.5	6	6	28W116-2	1	

MAT. PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015
APPROVED	10-16-35 DATE
CALC. WT. 3.9	ACT. WT. 3.9
SCALE	QUARTER SIZE
AC	
NAVY	NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NONE	NOTED

DRAFT: KOLK — CHECK — EXAM.: NAR

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

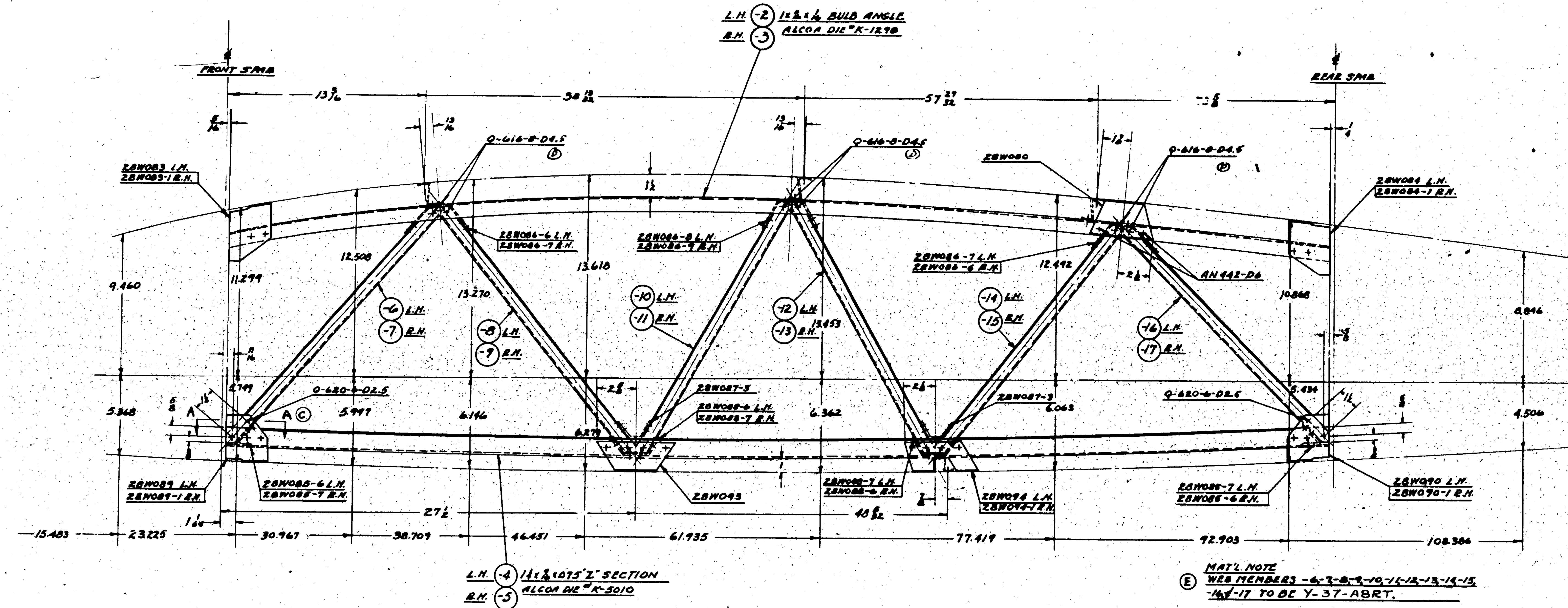
STAMP PT. No. WHERE SHOWN

NAME: BULKHEAD WING-STA #16 OUTER PANEL.

OPP. HAND 28W116-1

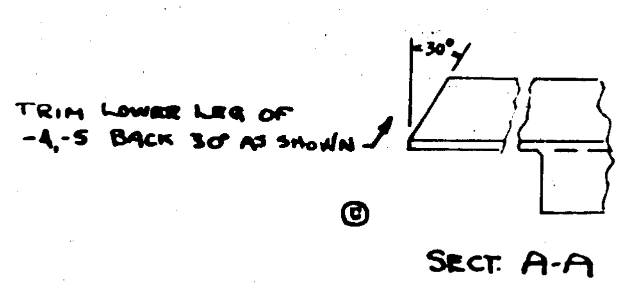
G 28W116

LET	ALTERATION	DATE	BY
SUPPLIES & EQUIPMENT CLASSIFICATION			
B	TRACED	8-17-36	
C	ADDED SECT A-A SHOWING TRIM	11-15-40	
D	Q616-8-D4.5 WAS -D4	"	"
E	ON FACE, IN MATERIAL NOTE REPLACED 7/16x7/8x.045 "Z" SECTION, ALCOA DIE #K-9048 WITH "Y-37-ABRT." ADDED REQ'TS. FOR 28-5MH, MC, MA, MI, AMC & AMN. WT. CHG. -.35	4-22-42	



E MAT'L NOTE
WEB MEMBERS -6-7-8-9-10-11-12-13-14-15-16 & -17 TO BE Y-37-ABRT.

ALL EXTRUDED SECTIONS - AL. ALLOY.
SPEC. 46A9 (CONDITION T) ALLOY 24 T.



L.H. SHOWN
R.H. OPPOSITE

FINISH -
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

GP - GREEN PRIME

NOTE
SEE DWG. 28W113 FOR JOINT CONSTRUCTION & RIVETS NOT SHOWN.

PART NO.	LH REQ.	RH REQ.
28W094-1		1
28W094	1	
28W093	1	1
28W090-1		1
28W090	1	
28W089-1		1
28W089	1	
28W088-7	1	1
28W088-6	1	1
28W087-3	2	2
28W086-9		1
28W086-8	1	
28W086-7	1	1
28W086-6	1	1
28W085-7	1	1
28W085-6	1	1
28W084-1		1
28W084	1	
28W083-1		1
28W083	1	
28W080	1	1
-17		1
-16	1	
-15		1
-14	1	
-13		1
-12	1	
-11		1
-10	1	
-9		1
-8	1	
-7		1
-6	1	
-5		1
-4	1	
-3		1
28W117-2	1	

STD PARTS	LH REQ.	RH REQ.
Q-620-6-D2.5	2	2
Q-616-8-D4.5 (D)	6	6

REQUIREMENTS PER AIRPLANE

O.H.	MODEL	NEXT ASSY.	REQ.
1/2	28-5MA, MC	28W004	1EA.
1/2	28-5MC, MH	28W004	1EA.
1/2	28-5AMN, AMC	28W004	1EA.
-R	PBY-5A	28W004	1EA.
-1	PBY-5	28W004-1	1
	PBY-5	28W004	1
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
-	XP3Y-1	28W004	
-L	PBY-5A,5	28W004	1EA.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015

APPROVED 10-16-35 DATE
3.9 CALC. WT. 3.9 ACT. WT.
SCALE QUARTER SIZE

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	NOTED	NOTED	NONE	NOTED

DRAFT	CHECK	EXAM.	ENG.
YOAK 3-28-36	4-1-36	NMP. 4-3-36	L.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

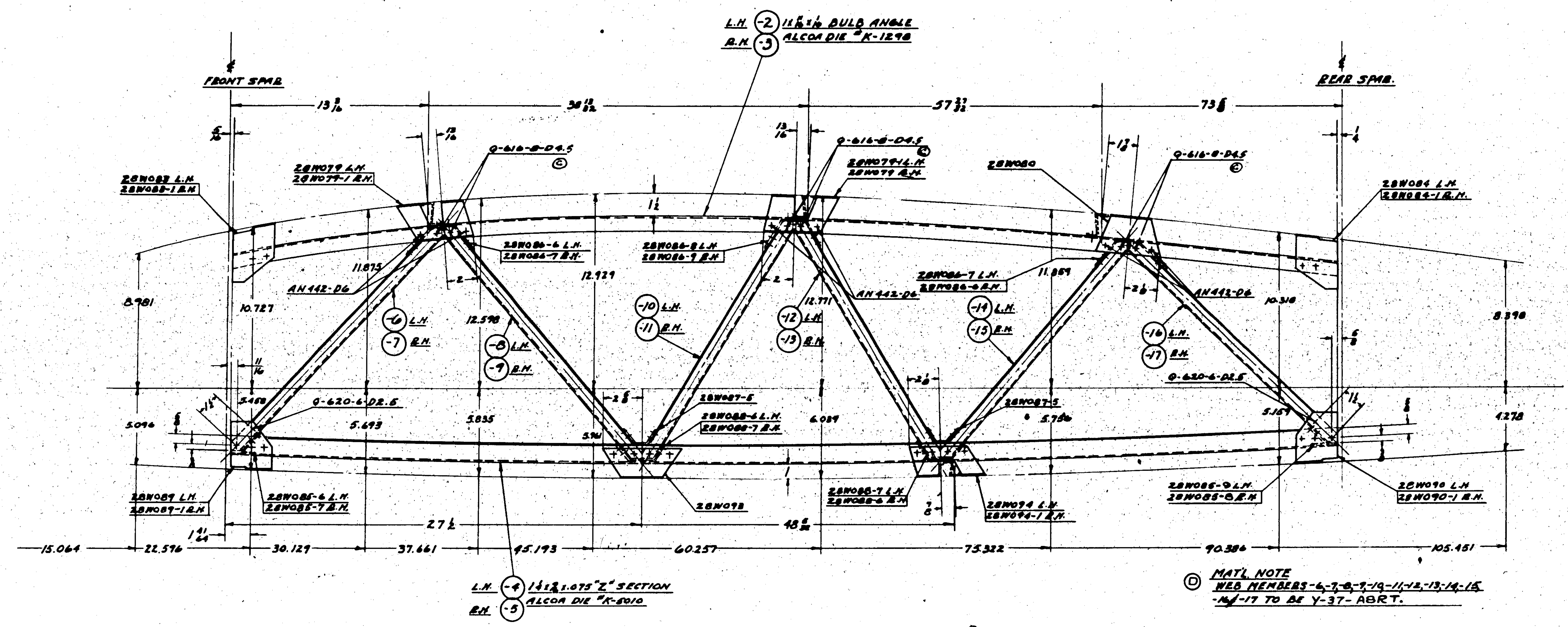
NAME BULKHEAD
WING - STA. #17 OUTER PANEL.

OPP. HAND 28W117-1

G 28W117

B.K. Eo. 283

LET	ALTERATION	DATE	BY
B	TRACED	7-17	
C	Q616-8-D4.5 WAS -D4		
D	ON FACE, IN MAT'L NOTE, REPLACED "1⅛ x 1⅛ x .045 'Z' SECTION, ALCOA DIE K-8040" WITH "Y-37-ABRT." ADDED REQ'TS FOR 28-5 MA, MA, MC, MH, AMC & AMB		



Ⓓ MAT'L NOTE
WEB MEMBERS -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16 & -17 TO BE Y-37-ABRT.

ALL EXTRUDED SECTIONS - AL. ALLOY SPEC. 46A9 (CONDITION T.) ALLOY 24 T.

GP-GREEN PRIME

FINISH -
ZP-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

L.H. SHOWN
R.H. OPPOSITE

NOTE
SEE DWG. 28W113 FOR JOINT CONSTRUCTION & RIVETS NOT SHOWN.

PART NO.	LH	RH
28W085-9	1	
28W085-8		1
28W094-1		1
28W094	1	
28W093	1	1
28W090-1		1
28W090	1	
28W089-1		1
28W089	1	
28W088-7	1	1
28W088-6	1	1
28W087-5	2	2
28W086-9		1
28W086-8	1	
28W086-7	1	1
28W086-6	1	1
28W085-7		1
28W085-6	1	
28W084-1		1
28W084	1	
28W083-1		1
28W083	1	
28W080	1	1
28W079-1	1	1
28W079	1	1
-17		1
-16	1	
-15		1
-14	1	
-13		1
-12	1	
-11		1
-10	1	
-9		1
-8	1	
-7		1
-6	1	
-5		1
-4	1	
-3		1
28W118-2	1	

O.H.	MODEL	NEXT ASSY.	REQ.
-L,R	28-5MC, MH	28W004	1EA.
-L/R	28-5MC, MA	28W004	1EA.
-L/R	28-5AMM, AMC	28W004	1EA.
-R	PBY-5A&B	28W004	1EA.
-L	PBY-5A&B	28W004	1EA.
-1	PBY-5	28W004-1	1
	PBY-5	28W004	1
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
	XP3Y-1	28W004	

REQUIREMENTS PER AIRPLANE

ST'D PARTS	REQ. LH	REQ. RH
G-620-6-D2.5	2	2
Ⓒ G-616-8-D4.5	6	6

MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .016

APPROVED 10-16-36 DATE
37 CALC. WT. 4.0 ACT. WT.
SCALE QUARTER SIZE

NAVY NOTED	NOTED	NONE	NOTED
MATERIAL	SPEC.	HEAT TREAT	FINISH

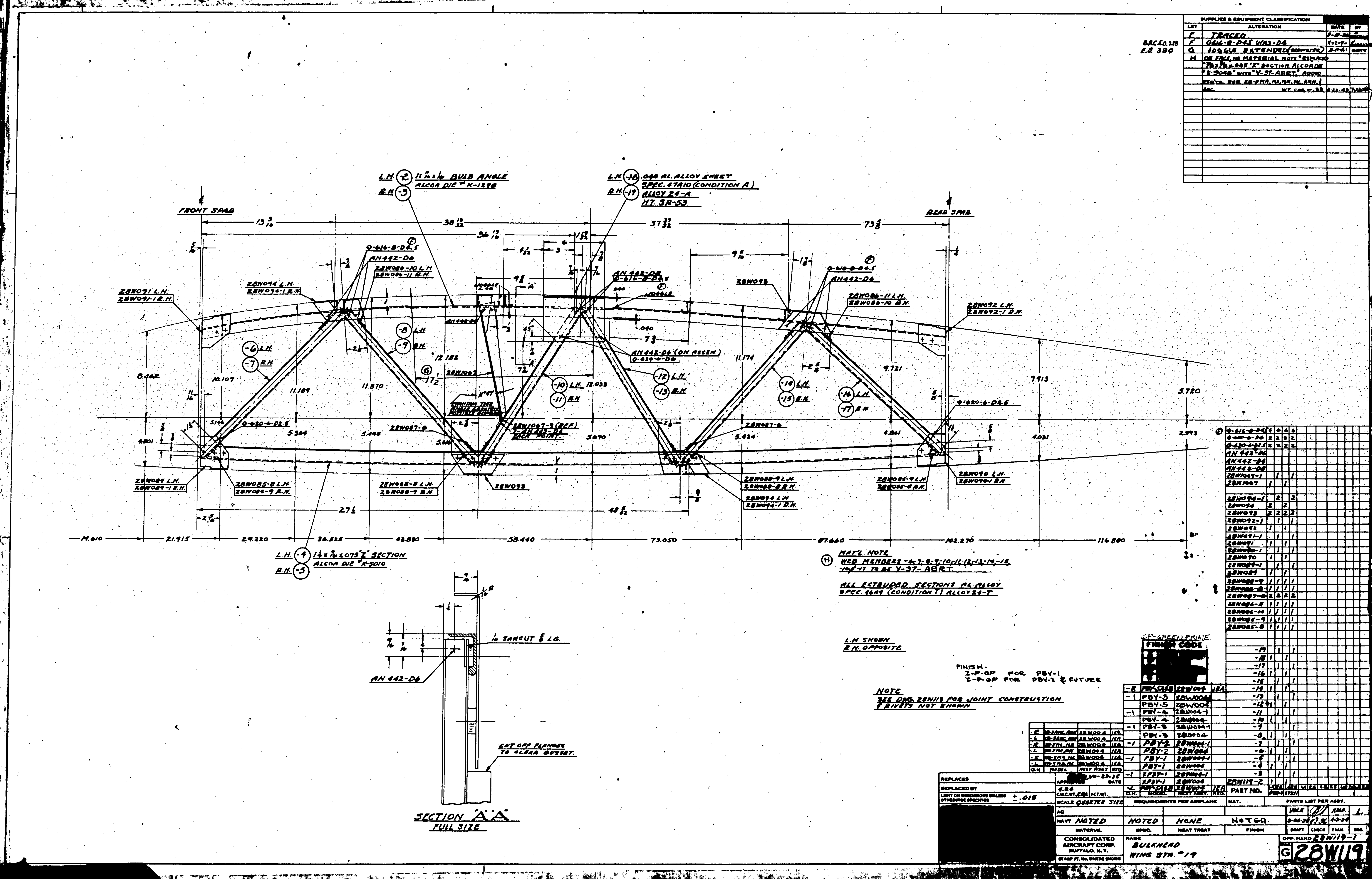
DRAFT: 3-24-36 CHECK · EXAM.: 4-3-36 · ENG.

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: BULKHEAD
WING - STA. #10 OUTER PANEL

OPP. HAND 28W118-1

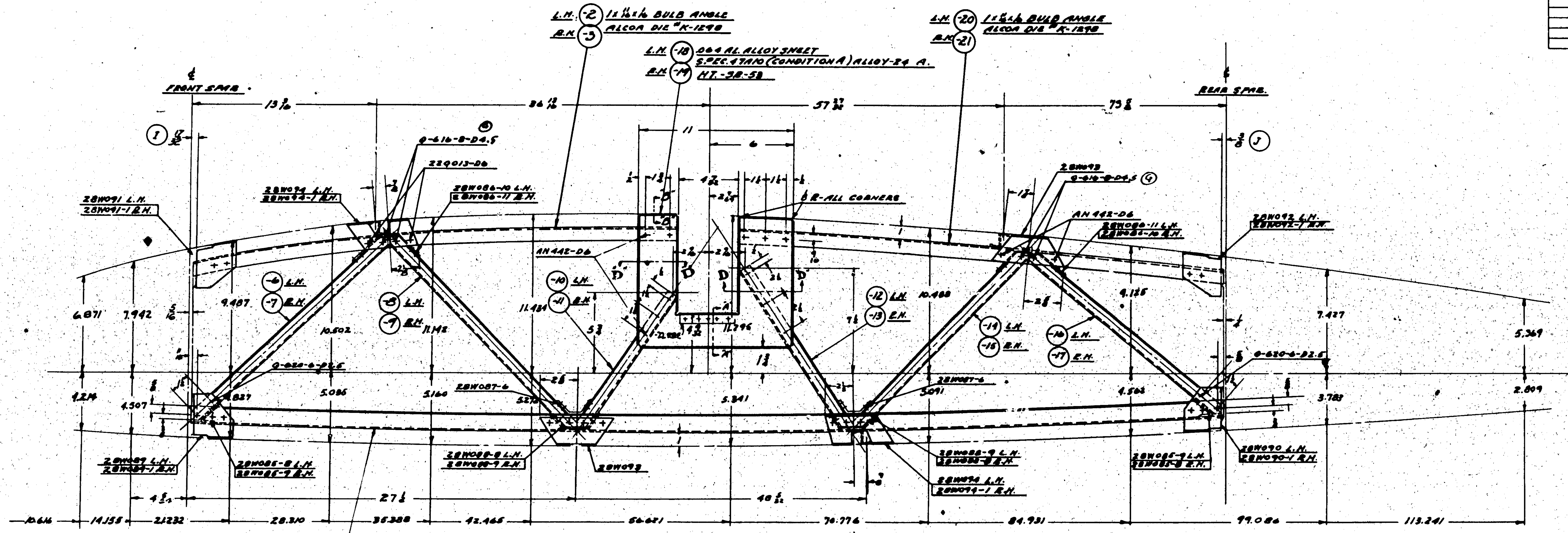
G 28W118


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
E TRACED
F Q616-8-D4.5 WAS -D4
G JOGGLE EXTENDED
H ON FACE, IN MATERIAL NOTE REPLACED "Y-37-ABRT." ADDED
BAC E.O. 283
E.O. 390
FRONT SPAR
REAR SPAR
L.H. -2 11/16 x 1/16 BULB ANGLE ALCOA DIE # K-1298
R.H. -3
L.H. -18 .040 AL. ALLOY SHEET SPEC. 47A10 (CONDITION A)
R.H. -19 ALLOY 24-A
HT. 5R-53
L.H. -4 1 1/4 x 9/16 x .075 "Z" SECTION ALCOA DIE # K-5010
R.H. -5
MAT'L. NOTE
WEB MEMBERS -6,7,8,9,10,11,12,13,14,15,16 & 17 TO BE Y-37-ABRT.
ALL EXTRUDED SECTIONS AL. ALLOY SPEC. 46A9 (CONDITION T) ALLOY 24-T
L.H. SHOWN
R.H. OPPOSITE
FINISH.
NOTE
SEE DWG. 28W113 FOR JOINT CONSTRUCTION & RIVETS NOT SHOWN.
SECTION "A-A"
FULL SIZE
1/16 SAWCUT 5/8 LG.
CUT OFF FLANGES TO CLEAR GUSSET.
AN 442-D6
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
SCALE QUARTER SIZE
NAVY NOTED
MATERIAL
NOTED
SPEC.
NONE
HEAT TREAT
FINISH
DRAFT
CHECK
EXAM.
ENG.
REQUIREMENTS PER AIRPLANE
PART NO.
PARTS LIST PER ASSY.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.
NAME
BULKHEAD
WING STA. #19
OPP. HAND 28W119-1
G 28W119

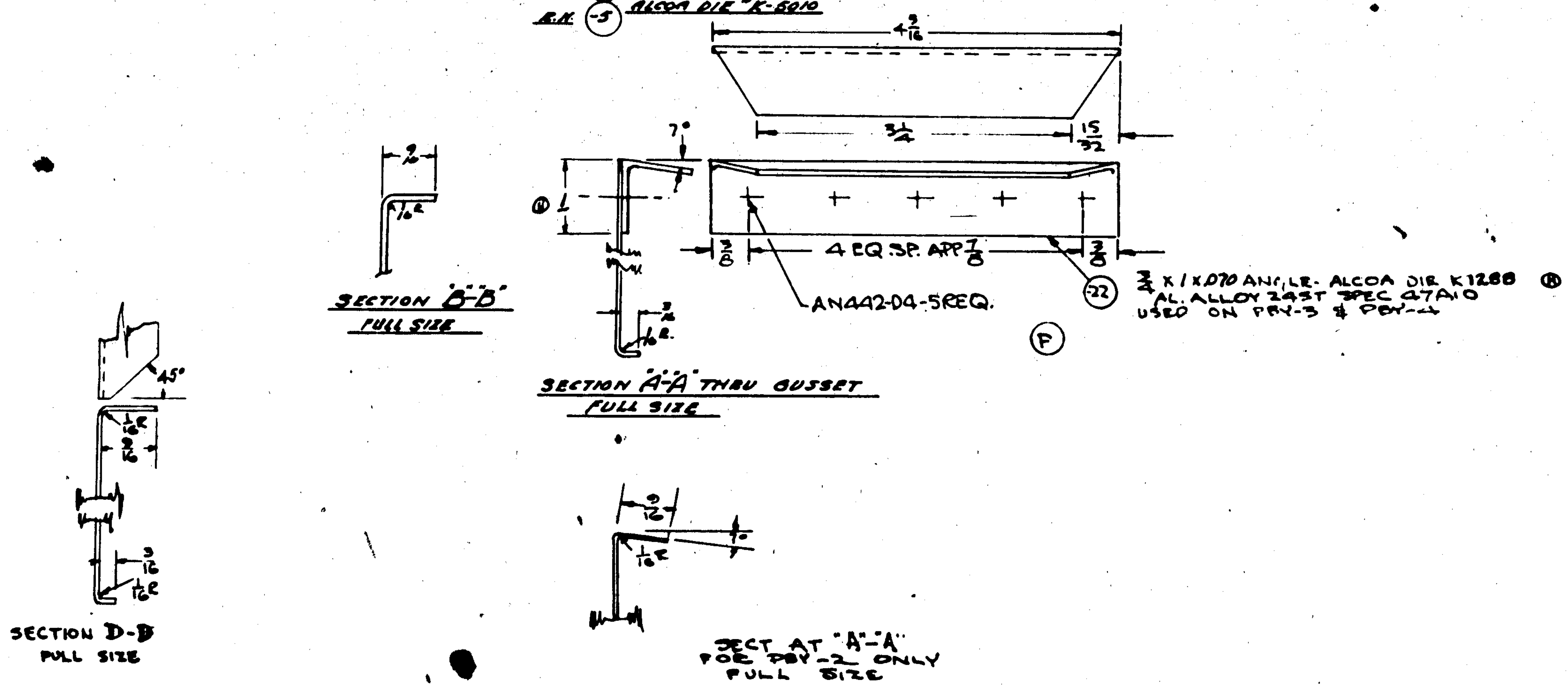
B.C.O. 83408 A
& E.C.O. 186

BAC. CO. 283
BAC. CO. 175
BAC. C.O. 431
PBY-5
BAC. C.O. 449
PBY-5

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
E	TRACED & BROUGHT UP TO DATE	[illegible]	[illegible]
F	ADDED -22 & DETAIL; ADDED		
	PBY-3 & PBY-4 REQ. Z-AKU CHANGED		
	TO Z.P.-AL; ADDED SECT. "D-D"	1-28-38	[illegible]
	& ADDED PBY-2 DETAIL		
G	Q616-8-D4.5 WAS -D4	11-12-40	[illegible]
H	-22 WAS K 5501, NOW K1288	12-2-40	"
I	CHANGED LOCATION OF GUSSETS	4-20-41	[illegible]
	DIM 11/32 WAS 9/16 ON FACE.		
J	CHANGED LOCATION OF GUSSETS		
	DIM. 3/8 WAS 1/4 ON FACE		
K.	ON FACE, REPLACED "5/8 x 5/8 x .045 'Z'		
	SECTION, ALCOA DIE # K-9048" IN MAT'L		
	NOTE, WITH "Y-37-ABRT" (WT CHG -.29)	4-22-42	[illegible]
L.	ON FACE, CHG'D "SPEC. 46A9 (CONDITION		
	T)" WAS "SPEC. 47A10 (CONDITION T)"		
	ADDED REQ'TS. FOR 28-5AMA [illegible]	4-22-42	[illegible]



L.H. -4 1 1/2 x 1 x .075 "Z" SECTION
R.H. -5 ALCOA DIE # K-5010



3/4 x 1 x .070 ANGLE-ALCOA DIE K1288 (H)
AL. ALLOY 24ST SPEC. 47A10
USED ON PBY-3 & PBY-4

(K) MAT'L NOTE
Z20 MEMBERS -6-7-8-9-10-11&12-13-14-15-16 & 17 TO BE Y-37-ABRT.

ALL EXTRUDED SECTIONS AL. ALLOY.
(L) SPEC. 46A9 (CONDITION T) ALLOY 24-T.

L.H. SHOWN
R.H. OPPOSITE

NOTE
SEE DWG. 28W113 FOR JOINT CONSTRUCTION & RIVETS NOT SHOWN.

FINISH
Z-GP For PBY-1
Z-P-GP For PBY-2 & FUT.

GP. [illegible] PRIME

PART NO.						
Q-620-6-D2.5	2	2	2	2	2	2
Q-616-8-D4.5	4	4	4	4	4	4
22Q013-D6						
AN442-D6						
AN442-D4						
28W094-1		2		2		2
28W094	2		2		2	
28W093	2	2	2	2	2	2
28W092-1		1		1		1
28W092	1		1		1	
28W091-1		1		1		1
28W091	1		1		1	
28W090-1		1		1		1
28W090	1		1		1	
28W089-1		1		1		1
28W089	1		1		1	
28W088-9	1	1	1	1	1	1
28W088-8	1	1	1	1	1	1
28W087-6	2	2	2	2	2	2
28W086-11	1	1	1	1	1	1
28W086-10	1	1	1	1	1	1
28W085-9	1	1	1	1	1	1
28W085-8	1	1	1	1	1	1
28W120-22					1	1
-21		1		1		1
-20	1		1		1	
-19		1		1		1
-18	1		1		1	
-17		1		1		1
	1					
-15		1		1		1
-14	1		1		1	
-13		1		1		1
-12	1		1		1	
-11		1		1		1
-10	1		1		1	
-9		1		1		1
-8	1		1		1	
-7		1		1		1
-6	1		1		1	
-5		1		1		1
-4	1		1		1	
-3		1		1		1
28W120-2	1		1		1	

PARTS LIST PER ASSY.

O.H.	MODEL	NEXT ASSY.	REQ.
4/R	28-5AMA	28W004	1EA
-L-R	PBY-5B	28W004	1EA
1/2	28-5AMC	28W004	1/1
1/2	28-5ME	28W004	1/1
1/2	PBY-5A	28W004	1/1
1/2	PBY-5	28W004	1/1
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XPBY-1	28W004-1	
	XPBY-1	28W004	

REQUIREMENTS PER AIRPLANE

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015
APPROVED	[illegible] DATE
CALC. WT. 3.98 [illegible]	ACT. WT.
SCALE	QUARTER SIZE
AC	

NAVY NOTED	NOTED	18 & 19 ONLY (NOTED)	NOTED
MATERIAL	SPEC.	HEAT TREAT	FINISH

DRAFT	CHECK	LIAS.	ENG.
[illegible] 3-26-36	[illegible]	[illegible]	L.

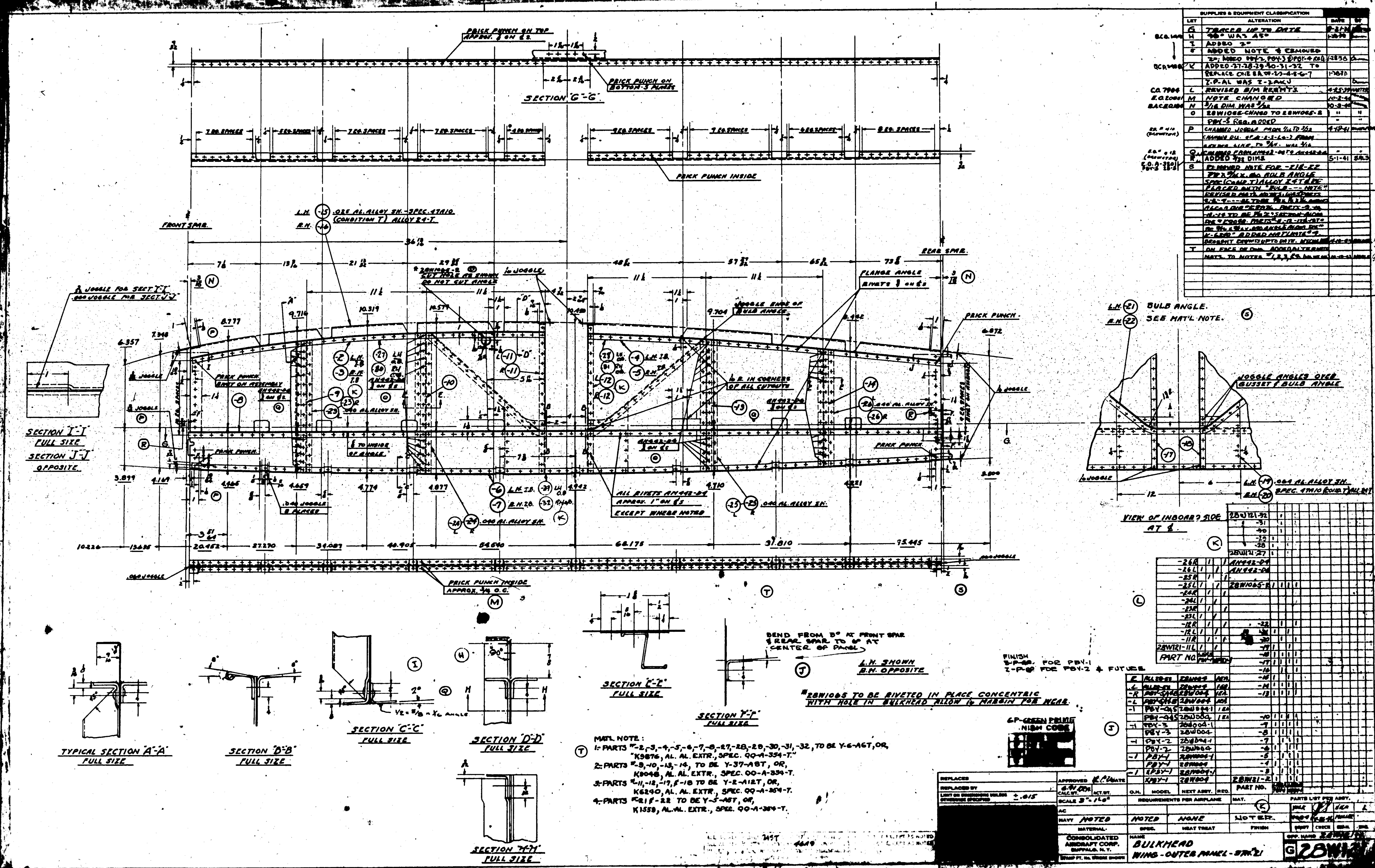
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME: BULKHEAD WING-STA. 20-OUTER PANEL.

OPP. HAND 28W120-1

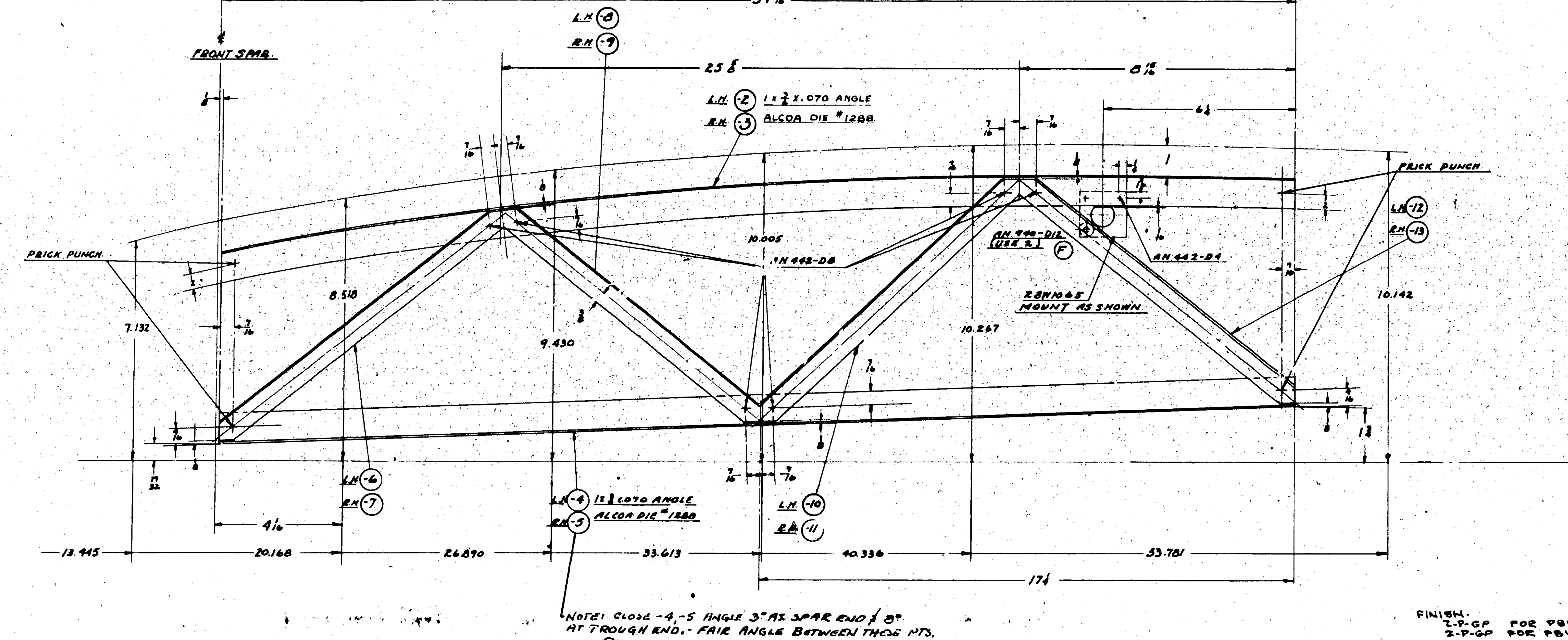
SIZE G 28W120


SECTION "G"-"G"
PRICK PUNCH INSIDE
FRONT SPAR
REAR SPAR
FLANGE ANGLE
PRICK PUNCH
ALL RIVETS AN442-04
APPROX. 1" ON ¢S
EXCEPT WHERE NOTED
.040 AL. ALLOY SH.
BULB ANGLE.
SEE MAT'L NOTE.
JOGGLE ANGLES OVER GUSSET & BULB ANGLE
VIEW OF INBOARD SIDE AT ¢
SECTION "I"-"I" FULL SIZE
SECTION "J"-"J" OPPOSITE
TYPICAL SECTION "A"-"A" FULL SIZE
SECTION "B"-"B" FULL SIZE
SECTION "C"-"C" FULL SIZE
SECTION "D"-"D" FULL SIZE
SECTION "E"-"E" FULL SIZE
SECTION "F"-"F" FULL SIZE
SECTION "H"-"H" FULL SIZE
BEND FROM 5° AT FRONT SPAR & REAR SPAR TO 0° AT CENTER OF PANEL
L.H. SHOWN
R.H. OPPOSITE
*28W1065 TO BE RIVETED IN PLACE CONCENTRIC WITH HOLE IN BULKHEAD ALLOW 1/16 MARGIN FOR WEAR.
FINISH
MAT'L NOTE:
1- PARTS #-2,-3,-4,-5,-6,-7,-8,-27,-28,-29,-30,-31,-32, TO BE Y-6-A6T, OR, K5876, AL. AL. EXTR., SPEC. QQ-A-354-T.
2- PARTS #-9,-10,-13,-14, TO BE Y-37-A8T, OR, K6048, AL. AL. EXTR., SPEC. QQ-A-354-T.
3- PARTS #-11,-12,-17,&-18 TO BE Y-2-A12T, OR, K6240, AL. AL. EXTR., SPEC. QQ-A-354-T.
4- PARTS #-21 & -22 TO BE Y-5-A6T, OR, K1558, AL. AL. EXTR., SPEC. QQ-A-354-T.
SUPPLIES & EQUIPMENT CLASSIFICATION
ALTERATION
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
BULKHEAD
WING-OUTER PANEL-STA. 21
28W1121

LET	ALTERATION	DATE	BY
E	TRACED UP TO DATE	[illegible]	[illegible]
F	AN 940-12 CHNG'D TO AN940-D12	10-2-40	[illegible]
	MADE R.H.'s ... ADDED PBY-5 ...	"	"
G	ADDED NOTE ON -4 & -5	10-21-4[illegible]	[illegible]
H	ON FACE OF DWG, FOR -6,-7,-8,-9,-10		
	-11,-12, & -13 REMOVED NOTE "3/4 x 3/4 x		
	.060 ANGLE ALCOA DIE # K5401" (4		
	PLACES) ADDED NOTE #2 MAT'L		
	COND. T. TO FACE OF DWG. ADDED REQ'TS		
	FOR 28-5ME, ... (WT. CHG. ...)	[illegible]	[illegible]

BACEQ 187

BACEQ #183



NOTE: CLOSE -4,-5 ANGLE 3° AT SPAR END & 8° AT TROUGH END. - FAIR ANGLE BETWEEN THESE PTS. (G)

FINISH.
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

GP-GREEN PRIME

FINISH CODE
Z
P
AP
C

L.H. SHOWN
R.H. OPPOSITE

NOTE
1. ALL MAT'L EXTRUDED AL. ALLOY SPEC. 46A9 (COND T) ALLOY 24-T.
(H) 2. MATERIAL FOR -6,-7,-8,-9,-10,-11,-12, & 13 MAY BE:-
A. Y2-A27RT, OR
B. K5401, 24ST AL. ALLOY EXTR., SPEC. 46A9 COND T.

O.H.	MODEL	NEXT ASSY	REQ.
	28-5AMC ...	28W004	1EA
	28-5MC ...	28W004	1EA
	28-5ME ...	28W004	1EA
-R	PBY-5MB	28W004	1EA
-1	PBY-4 & 5	28W004-1	
	PBY-4 & 5	28W104	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
	XP3Y-1	28W004	
-2	PBY-5MB	28W004	1EA

PART NO.				
AN442-D8				
(F) AN940-D12	2	2	2	2
AN442-D4				
28W1065	1	1	1	1
-13		1		1
-12	1		1	
-11		1		1
-10	1		1	
-9		1		1
-8	1		1	
-7		1		1
-6	1		1	
-5		1		1
-4	1		1	
-3		1		1
28W122-2	1		1	

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015

APPROVED [illegible] DATE
CALC. WT. 1.22 ACT. WT.
SCALE 6" = 1'-0"
AC
NAVY

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NONE	NOTED.

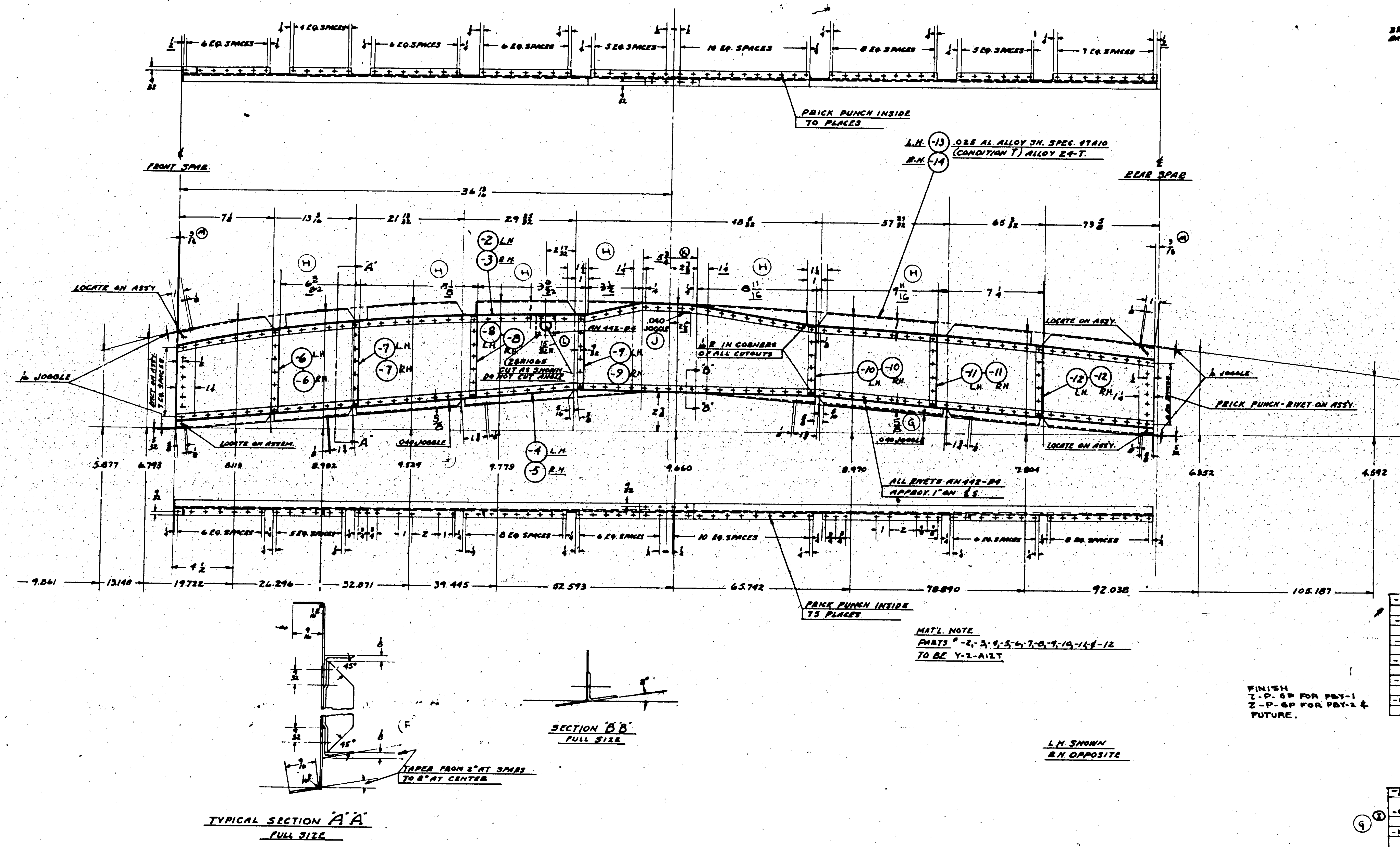
DRAFT	CHECK	EXAM.	ENG.
9-4-36	9-8-36		

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME
BULKHEAD
WING-OUTER PANEL-STA. #22-FRONT.

OPP. HAND 28W122-1

G 28W122



MAT'L. NOTE
PARTS * -2, -3, -4, -5, -6, -7, -8, -9, -10, -11 & -12
TO BE Y-2-A12T

FINISH
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE.

GP-GREEN PRIME
FINISH CODE

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	E	TRACED UP TO DATE		
BELL CO. 163	F	-4, -5 TO TAPER FROM 2° AT		
		SPARS TO 8° AT CENTER		
BELL CO 163	G	3/32 WAS 1/16; Z-P-AL WAS Z-ZAKY		
		ADDED PBY-2 REQ'TS & PBY-3	1-28-38	
BELL CO. 185	H	6 3/32 WAS 6; 8 5/8 WAS 8; 9 11/32 WAS 9 1/2		
		3 9/32 WAS 4 1/2; 8 11/16 WAS 9; 9 11/16 WAS 9 1/2	1-28-38	
C.O. 7905	I	ADDED L & R. TO -6, TO -12 INCL.	4-25-39	
B.A.C.E.O. 154	J	-2, -3 JOGGLED - PBY-5 REQ. ADDED	10-10-40	
B.A.C.E.O. 284	K	5 3/4 WAS 5; 2 1/2 WAS 3 1/2	11-15-40	
BREWSTER E.A. 391	L	15/32 R. WAS 1/16 R.	12-17-40	
E.O. 402	M	CHANGED 3/32 TO 3/16 ON FACE OF	4/19/41	
PBY-5		DRAWING		
	N	REPLACED MAT'L NOTE FOR -2, -3, -4, -5,		
		-6, -7, -8, -9, -10, -11, & -12 WITH "Y-2-A12T"		
		WAS "3/4 x 3/4 x .040 ANGLES ALCLADIE		
		"K6240 AL. ALLOY, SPEC. 46A9 (COND.		
		T) ALLOY 24-T. (WT. CHG. NEG.)	4-15-43	

O.H.	MODEL	NEXT ASSY.	REQ.	PART NO.		
-1	28-5AMH	28W004		-12R	1	1
	28-5AMH	28W004		-12L	1	1
-1	28-5AMG	28W004		-11R	1	1
	28-5AMC	28W004		-11L	1	1
-1	28-5MN	28W004		-10R	1	1
	28-5MN	28W004		-10L	1	1
-1	28-5ME	28W004		-9R	1	1
	28-5ME	28W004		-9L	1	1
-1	28-5MC	28W004		-8R	1	1
	28-5MC	28W004		-8L	1	1
-1	28-5MA	28W004		-7R	1	1
	28-5MA	28W004		-7L	1	1
				-6R	1	1
				28W123-6L	1	1
				AN 442-D4		
				28W1065	1	1
				-14	1	1
-1	PBY-5A	28W004	1EA	-13	1	1
	PBY-5A	28W004	1EA			
-1	PBY-4,5	28W004-1	1			
	PBY-4,5	28W004				
-1	PBY-3	28W004-1				
	PBY-3	28W004				
-1	PBY-2	28W004-1				
	PBY-2	28W004				
-1	PBY-1	28W004-1		-5	1	1
	PBY-1	28W004		-4	1	1
-1	XP3Y-1	28W004-1		-3	1	1
	XP3Y-1	28W004		28W123-2	1	1

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY.

REPLACES	APPROVED	
REPLACED BY	CALC. WT. 2.48	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015	SCALE 3" = 1'-0"	

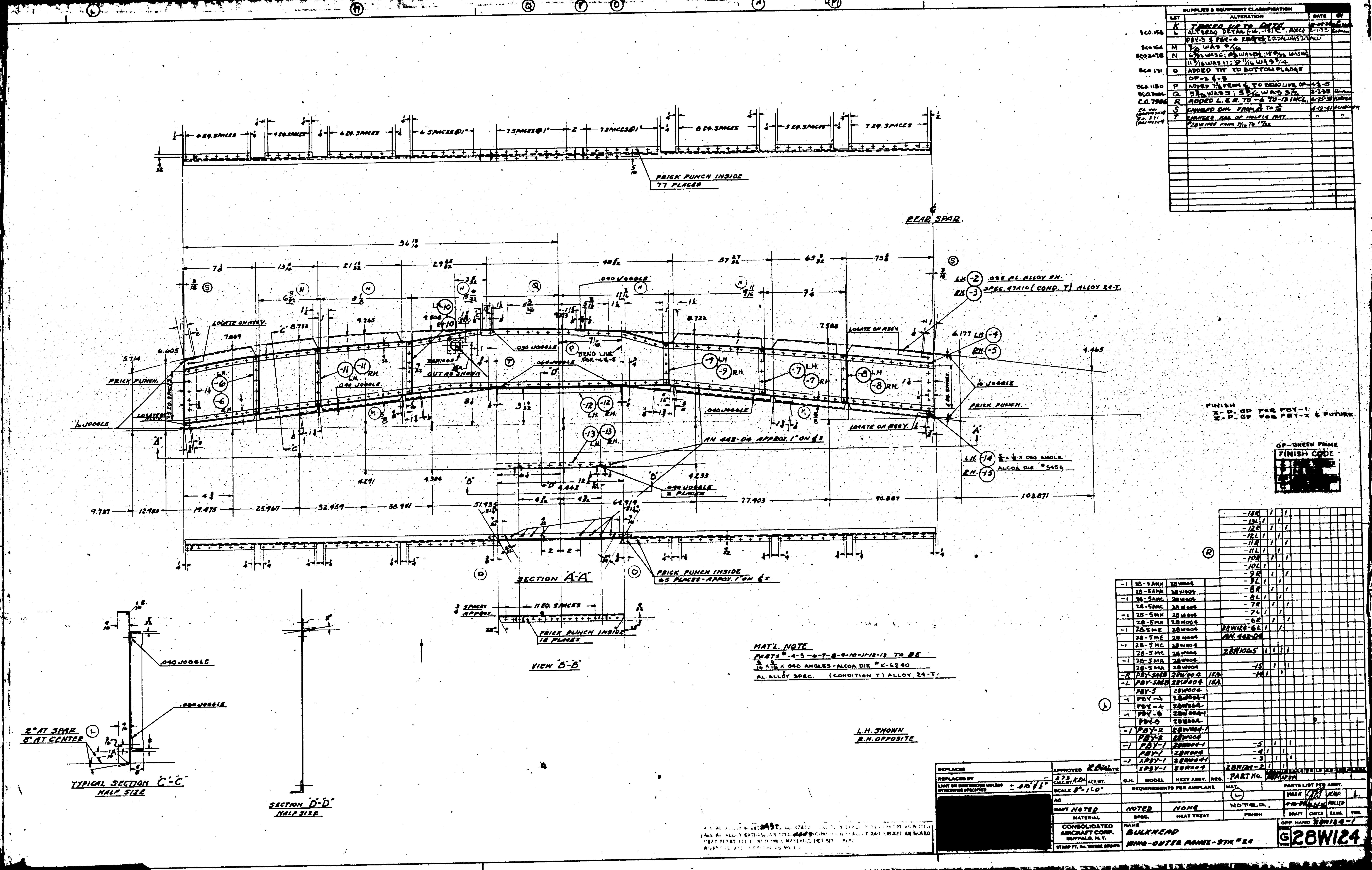
AC					
NAVY NOTED	NOTED	NONE	NOTED	4-8-36	
MATERIAL	SPEC.	HEAT TREAT	FINISH	DRAFT / CHECK / EXAM. / ENG.	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

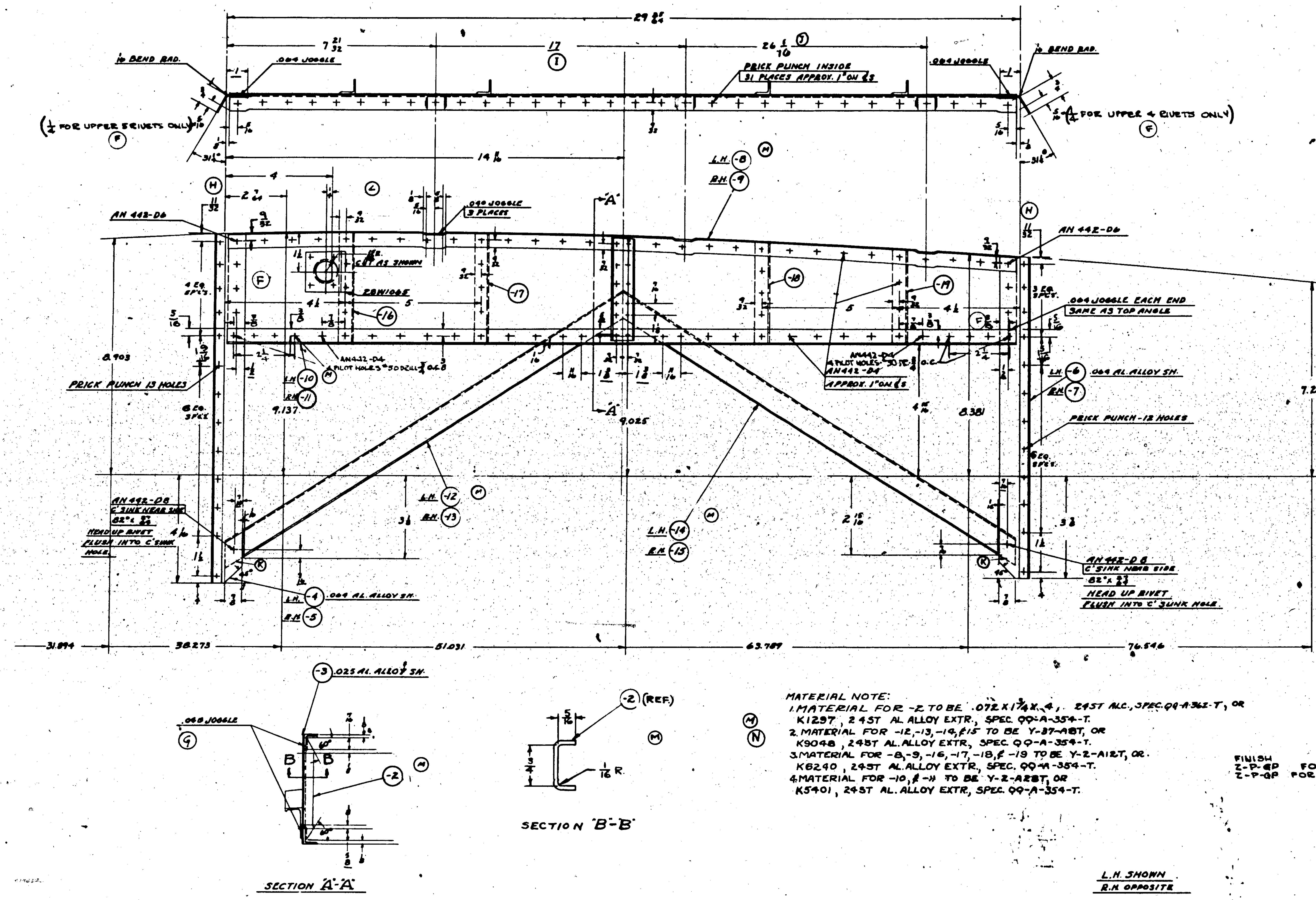
NAME BULKHEAD
WING - OUTER PANEL - STA. "28

OPP. HAND 28W123-1

G 28W123



REAR SPAR
PRICK PUNCH INSIDE
77 PLACES
.040 JOGGLE
LOCATE ON ASS'Y
PRICK PUNCH
CUT AS SHOWN
BEND LINE FOR -4 & -5
LH -2 .032 AL. ALLOY SH.
RH -3 SPEC. 47A10 (COND. T) ALLOY 24-T.
LH -14 RH -15 .050 ANGLE ALCOA DIE #5456
AN 442-D4 APPROX. 1" ON ℄S
SECTION "A-A"
PRICK PUNCH INSIDE
65 PLACES-APPROX. 1" ON ℄S.
PRICK PUNCH INSIDE
18 PLACES
VIEW "B-B"
TYPICAL SECTION "C-C"
HALF SIZE
SECTION "D-D"
HALF SIZE
2" AT SPAR
8" AT CENTER
MAT'L. NOTE
PARTS #-4-5-6-7-8-9-10-11-12-13 TO BE
X .040 ANGLES-ALCOA DIE #K-6240
AL. ALLOY SPEC. (CONDITION T) ALLOY 24-T.
L.H. SHOWN
R.H. OPPOSITE
FINISH
GP-GREEN PRIME
FINISH CODE
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME BULKHEAD
WING-OUTER PANEL-STA #24
OPP. HAND 28W124-1
28W124
SCALE 8"=1'-0"
MATERIAL NOTED
SPEC. NOTED
HEAT TREAT NONE
FINISH NOTED



MATERIAL NOTE:
1. MATERIAL FOR -2 TO BE .072 X 1 3/4 X 4, 24ST ALC., SPEC. QQ-A-362-T, OR K1297, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354-T.
2. MATERIAL FOR -12, -13, -14, & 15 TO BE Y-37-ABT, OR K9048, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354-T.
3. MATERIAL FOR -8, -9, -16, -17, -18, & -19 TO BE Y-2-A12T, OR K6240, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354-T.
4. MATERIAL FOR -10, & -11 TO BE Y-2-A28T, OR K5401, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354-T.

FINISH
Z-P-6P FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

L.H. SHOWN
R.H. OPPOSITE

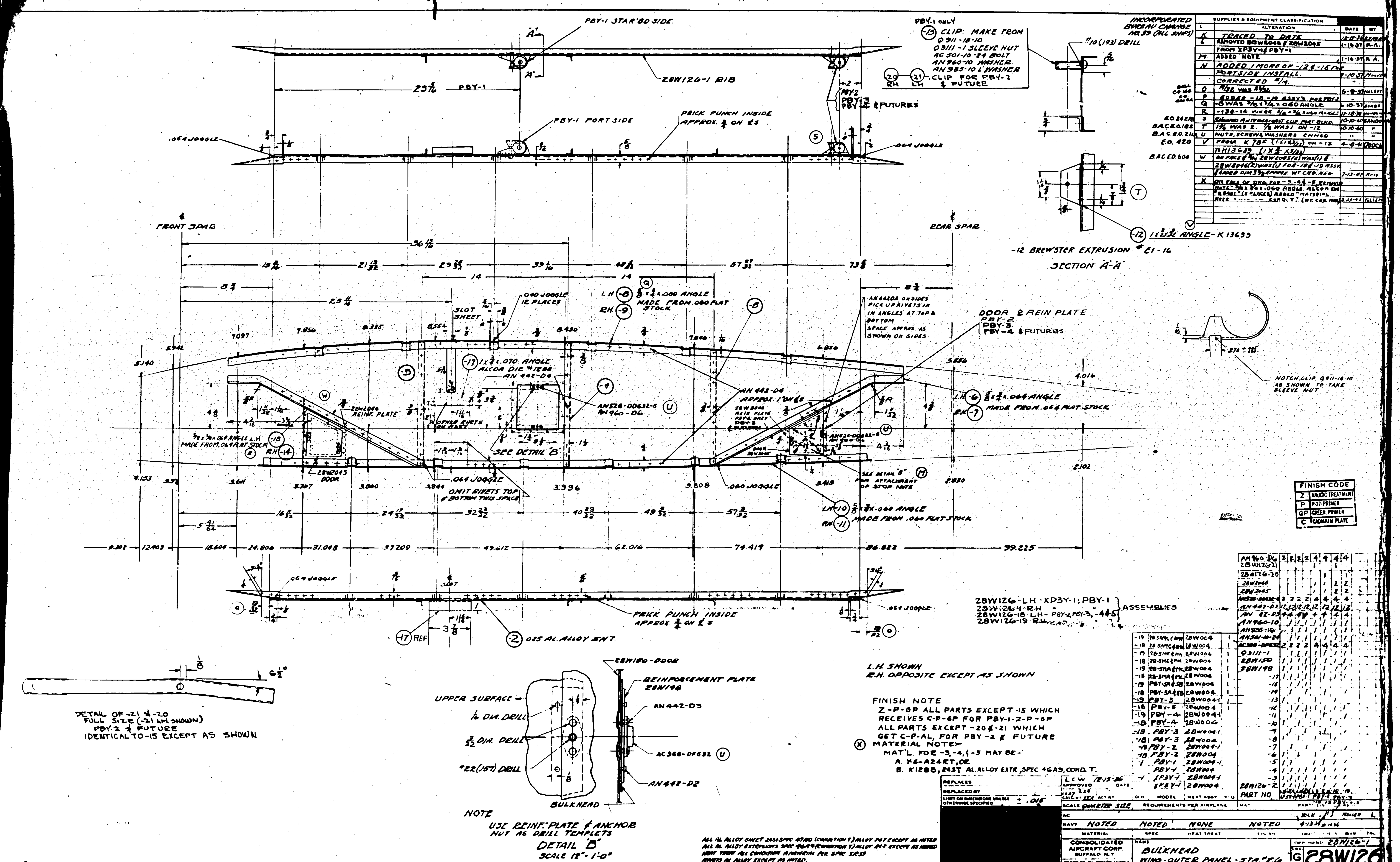
SCALE 6" = 1'-0"

MATERIAL: NAVY NOTED — SPEC.: NOTED — HEAT TREAT: NONE — FINISH: NOTED

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

NAME: BULKHEAD
WING - OUTER PANEL - STA. #25 CENTER

G 28W12[illegible]



L.H. SHOWN
R.H. OPPOSITE EXCEPT AS SHOWN

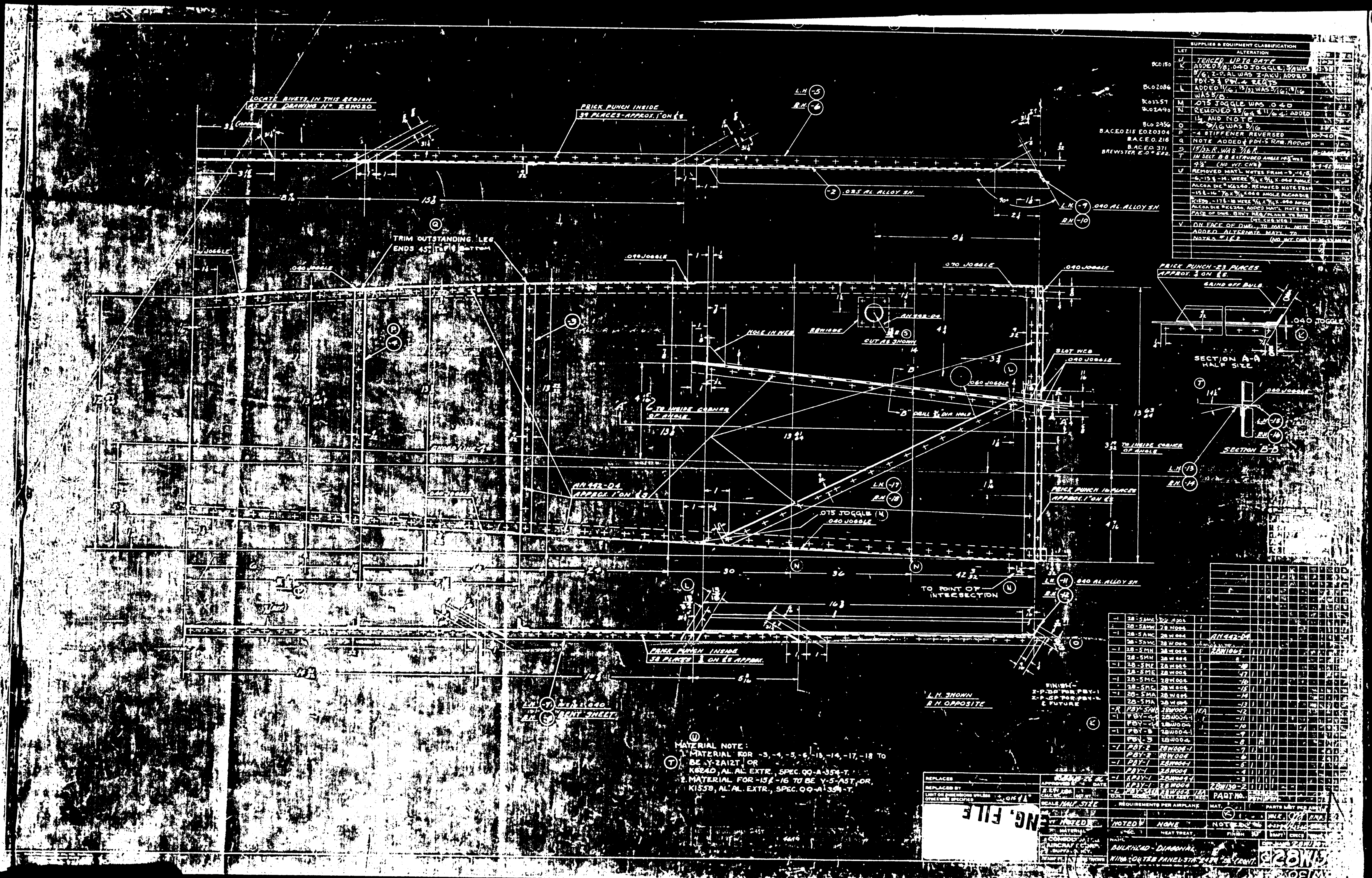
FINISH NOTE
Z-P-GP ALL PARTS EXCEPT -15 WHICH RECEIVES C-P-GP FOR PBY-1-Z-P-GP ALL PARTS EXCEPT -20 & -21 WHICH GET C-P-AL, FOR PBY-2 & FUTURE.

MATERIAL NOTE:-
MAT'L. FOR -3, -4, & -5 MAY BE -
A. X6-A24RT, OR
B. K1288, 24ST AL. ALLOY EXTR, SPEC. 46A9, COND. T.

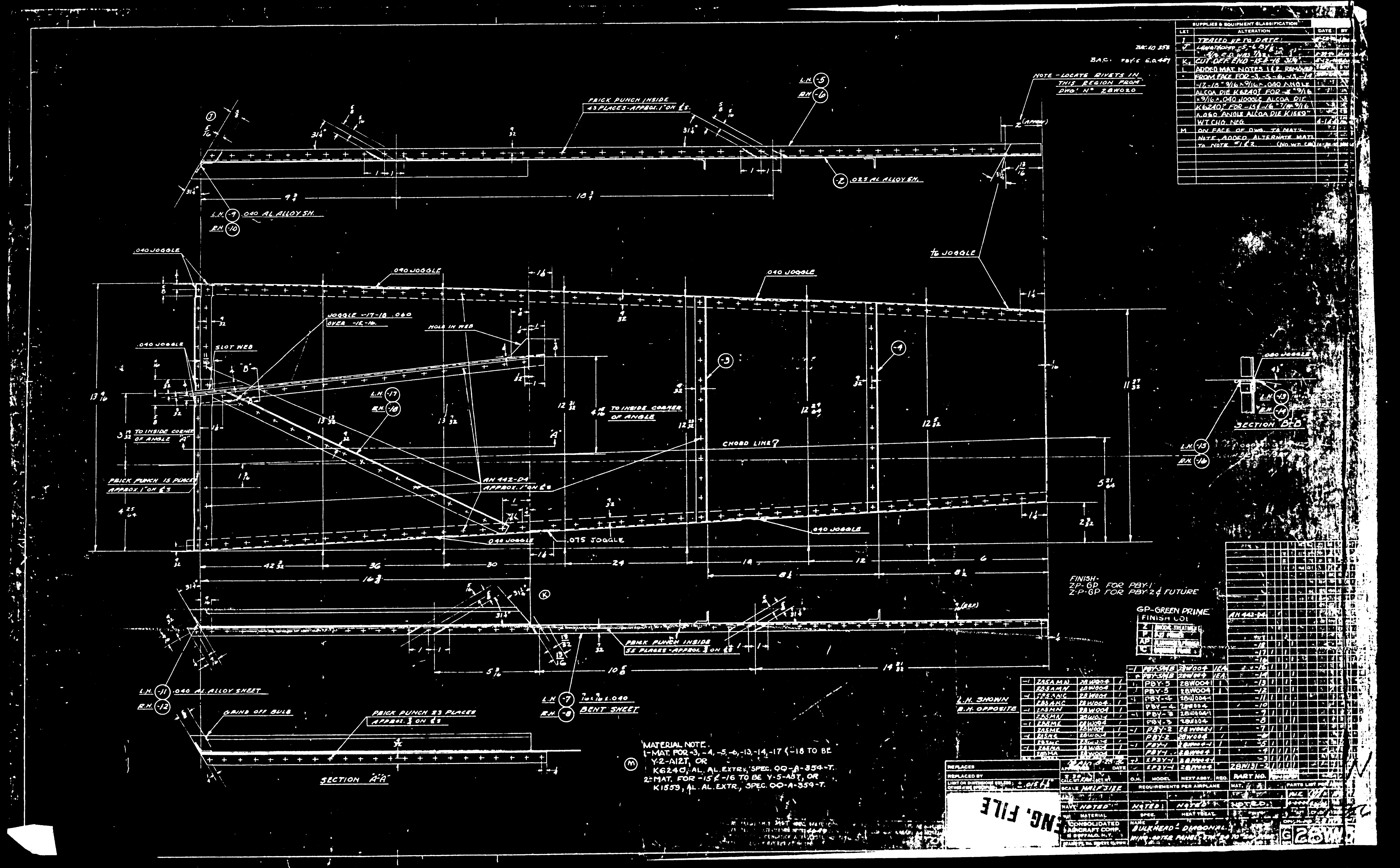
ALL AL. ALLOY SHEET 24ST SPEC 47A0 (CONDITION T) ALLOY 24T EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC 46A9 (CONDITION T) ALLOY 24T EXCEPT AS NOTED
HEAT TREAT ALL CONDITION A MATERIAL PER SPEC SR53
RIVETS AL ALLOY EXCEPT AS NOTED.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .015
APPROVED / DATE	L.C.W. 12-15-36
SCALE	QUARTER SIZE
NAVY MATERIAL	NOTED
SPEC	NOTED
HEAT TREAT	NONE
FIN.	NOTED
	CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
NAME	BULKHEAD WING-OUTER PANEL-STA. #26
OPP. HAND	28W126-1
DWG.	G 28W126

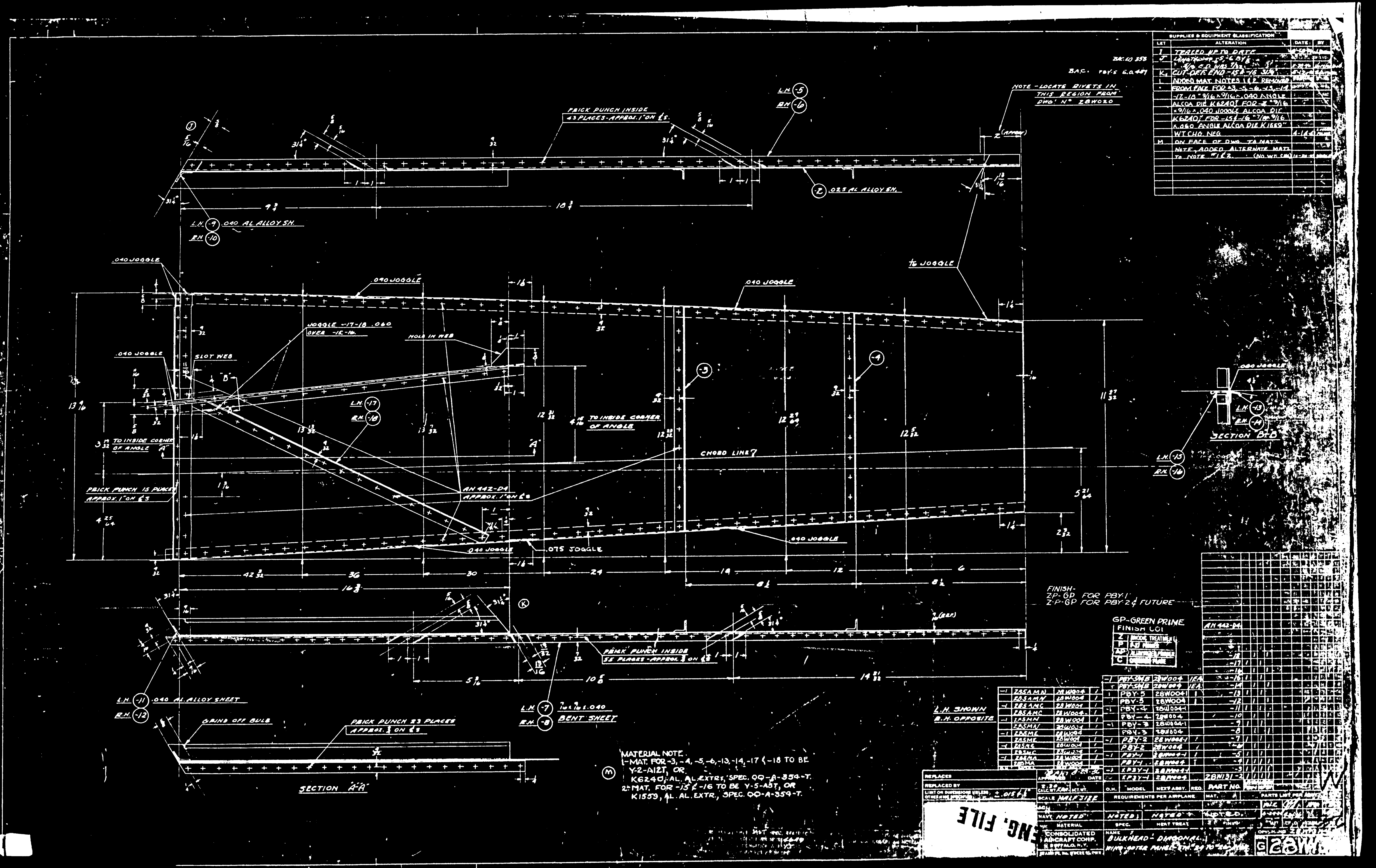
R



LOCATE RIVETS IN THIS REGION AS PER DRAWING No. 28W020
PRICK PUNCH INSIDE 39 PLACES - APPROX. 1" ON ℄S
.025 AL. ALLOY SH.
.040 AL. ALLOY SH.
TRIM OUTSTANDING LEG ENDS 45° TOP & BOTTOM
.040 JOGGLE
.070 JOGGLE
.060 JOGGLE
.075 JOGGLE
HOLE IN WEB
CUT AS SHOWN
SLOT WEB
DRILL DIA HOLE
TO INSIDE CORNER OF ANGLE
SECTION A-A HALF SIZE
SECTION B-B
GRIND OFF BULB
PRICK PUNCH -23 PLACES APPROX. ½ ON ℄S
AN 442-D4
PRICK PUNCH 10 PLACES APPROX. 1" ON ℄S
TO POINT OF INTERSECTION
PRICK PUNCH INSIDE 58 PLACES ½ ON ℄S APPROX.
BENT SHEET
L.H. SHOWN
R.H. OPPOSITE
FINISH- Z-P-DP FOR PBY-1 Z-P-GP FOR PBY-2 & FUTURE
MATERIAL NOTE:
1. MATERIAL FOR -3, -4, -5, -6, -13, -14, -17, -18 TO BE Y-ZA12T, OR K6240, AL. AL. EXTR., SPEC. QQ-A-354-T.
2. MATERIAL FOR -15 & -16 TO BE Y-5-A5T, OR, K1559, AL. AL. EXTR., SPEC. QQ-A-354-T.
SCALE HALF SIZE
REQUIREMENTS PER AIRPLANE
PART NO.
HEAT TREAT
NONE
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
BULKHEAD - DIAGONAL
WING - OUTER PANEL STA.
28W130
ENG. FILE



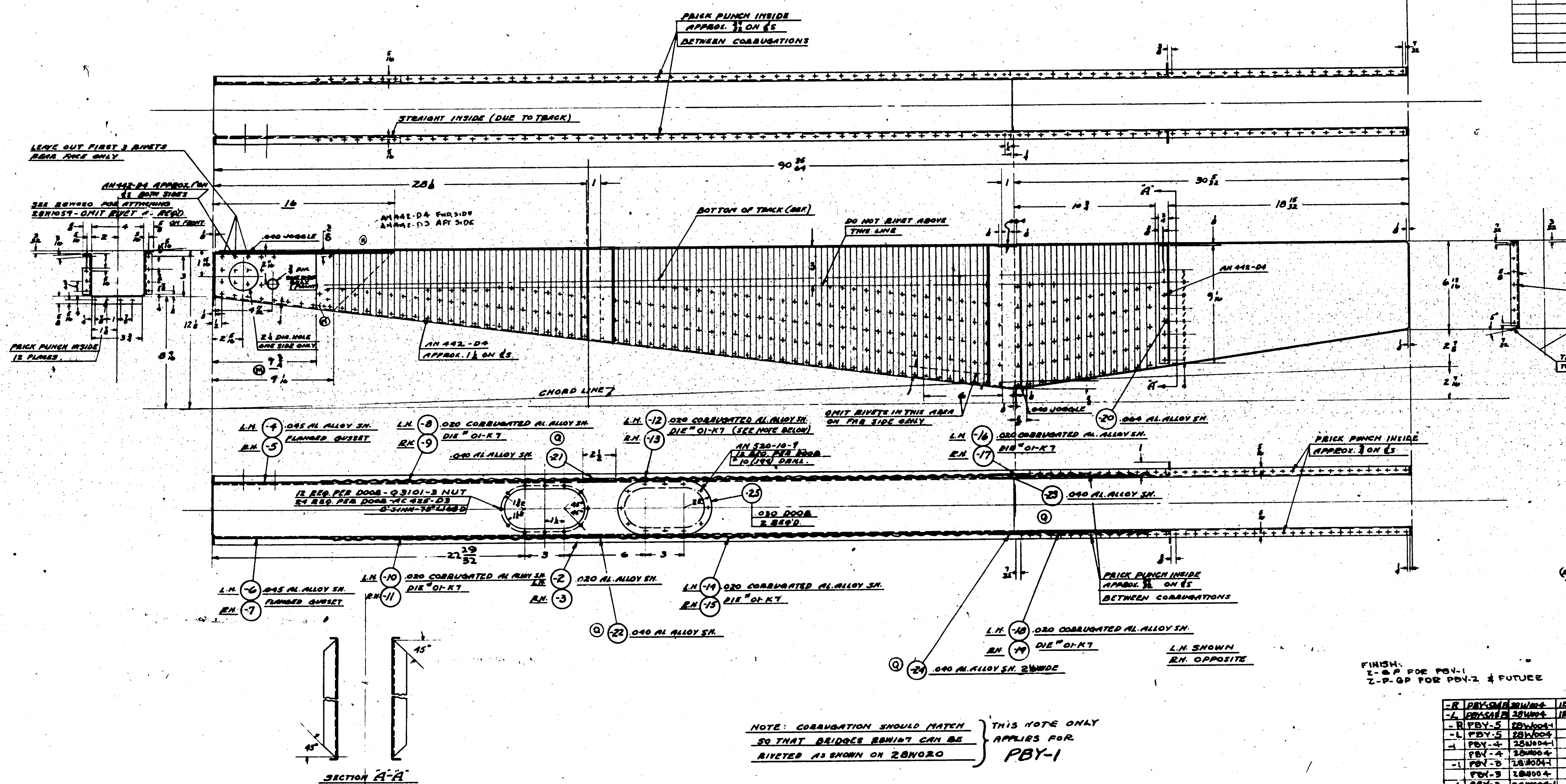
PRICK PUNCH INSIDE
43 PLACES - APPROX. 1" ON ℄S.
NOTE - LOCATE RIVETS IN THIS REGION FROM DWG. Nº 28W020
.025 AL. ALLOY SH.
.040 AL. ALLOY SH.
.040 JOGGLE
1/16 JOGGLE
JOGGLE -17-18 .060 OVER -15-16.
HOLE IN WEB
SLOT WEB
TO INSIDE CORNER OF ANGLE
CHORD LINE
PRICK PUNCH 15 PLACES APPROX 1" ON ℄S
AN 442-D4 APPROX. 1" ON ℄S
.075 JOGGLE
SECTION "B-B"
FINISH-
ZP-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE
GP-GREEN PRIME
FINISH COL
PRICK PUNCH INSIDE
55 PLACES - APPROX. 3/4 ON ℄S
.040 AL. ALLOY SHEET
GRIND OFF BULB
PRICK PUNCH 23 PLACES APPROX. 3/4 ON ℄S
SECTION "A-A"
BENT SHEET
L.H. SHOWN
R.H. OPPOSITE
MATERIAL NOTE.
1-MAT. FOR -3, -4, -5, -6, -13, -14, -17 & -18 TO BE Y-2-A12T, OR K6240, AL. AL. EXTR., SPEC. QQ-A-354-T.
2-MAT. FOR -15 & -16 TO BE Y-5-A5T, OR K1559, AL. AL. EXTR., SPEC. QQ-A-354-T.
SCALE HALF SIZE
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
BULKHEAD - DIAGONAL
ENG. FILE
28W


PRICK PUNCH INSIDE 43 PLACES - APPROX. 1" ON ℄S.
NOTE - LOCATE RIVETS IN THIS REGION FROM DWG. Nº 28W020
.025 AL. ALLOY SH.
.040 AL. ALLOY SH.
.040 JOGGLE
JOGGLE -17-18 .060 OVER -15-16.
HOLE IN WEB
SLOT WEB
1/16 JOGGLE
TO INSIDE CORNER OF ANGLE
CHORD LINE
PRICK PUNCH 15 PLACES APPROX. 1" ON ℄S
AN 442-D4 APPROX. 1" ON ℄S
.075 JOGGLE
SECTION B-B
FINISH-
ZP-GP FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE
GP-GREEN PRIME
PRICK PUNCH INSIDE 55 PLACES - APPROX. 3/4 ON ℄S
.040 AL. ALLOY SHEET
BENT SHEET
GRIND OFF BULB
PRICK PUNCH 23 PLACES APPROX. 3/4 ON ℄S
SECTION A-A
L.H. SHOWN
R.H. OPPOSITE
MATERIAL NOTE.
1-MAT. FOR -3, -4, -5, -6, -13, -14, -17 & -18 TO BE Y-2-A12T, OR K6240, AL. AL. EXTR., SPEC. QQ-A-354-T.
2-MAT. FOR -15 & -16 TO BE Y-5-A5T, OR K1559, AL. AL. EXTR., SPEC. QQ-A-354-T.
TRACED UP TO DATE
ADDED MAT. NOTES 1 & 2
WT. CHG. NEG.
SCALE HALF SIZE
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
BULKHEAD - DIAGONAL
ENG. FILE

LET	ALTERATION	DATE	BY
L	TRACED	[illegible]	
M	9 1/4 WAS 8 1/8	[illegible]	[illegible]
N	ADDED 2 RIVETS AT END OF CORR.	"	"
R	AN-520-10-7 WAS AN-520-10-6 & 4 IN B/M		
Q	IN -21 2 1/2 WAS 2, 7 3/32 WAS 7 1/32; IN -22 2 1/2 WAS 2, 7 WAS 6 15/16; IN -23 2 1/2 WAS 2, 10 31/32 WAS 10 23/32; & IN -24 2 1/2 WAS 2, 10 3/4 WAS 10 13/16. WT. CHG. NEG.	6-8-43	[illegible]

BRC. @ 326 / " - 281 / BRC. EA 493

BREWSTER EQ# 688



NOTE: CORRUGATION SHOULD MATCH SO THAT BRIDGES 28W167 CAN BE RIVETED AS SHOWN ON 28W020 — THIS NOTE ONLY APPLIES FOR PBY-1

FINISH:
Z-P-P FOR PBY-1
Z-P-GP FOR PBY-2 & FUTURE

O.H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5A	28W004	1EA
-L	PBY-5A	28W004	1EA
-R	PBY-5	28W004-1	
-L	PBY-5	28W004	
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
	XP3Y-1	28W004	

REQUIREMENTS PER AIRPLANE

PART NO.					
AC425-D3	48	48	48	48	48
AN 520-10-7	24	24	24	24	24
Q3101-3	24	24	24	24	24
-25	2	2	2	2	2
-24	1	1	1	1	1
-23	1	1	1	1	1
-22	1	1	1	1	1
-21	1	1	1	1	1
-20	2	2	2	2	2
-19	1		1		
-18	1		1		
-17		1		1	
-16	1		1		
-15		1		1	
-14	1		1		
-13		1		1	
-12	1		1		
-11		1		1	
-10	1		1		
-9		1		1	
-8	1		1		
-7		1		1	
-6	1		1		
-5		1		1	
-4	1		1		
-3		1		1	
28W132-2	1		1		

PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.016 ±1/2°
APP. 8-25-36 DATE
CALC. WT. 6.3 ACT. WT.
SCALE 3" = 1'-0"
MAT. (M)
NAVY NOTED — MATERIAL | NOTED — SPEC. | NONE — HEAT TREAT | NOTED — FINISH
DRAFT | CHECK | EXAM

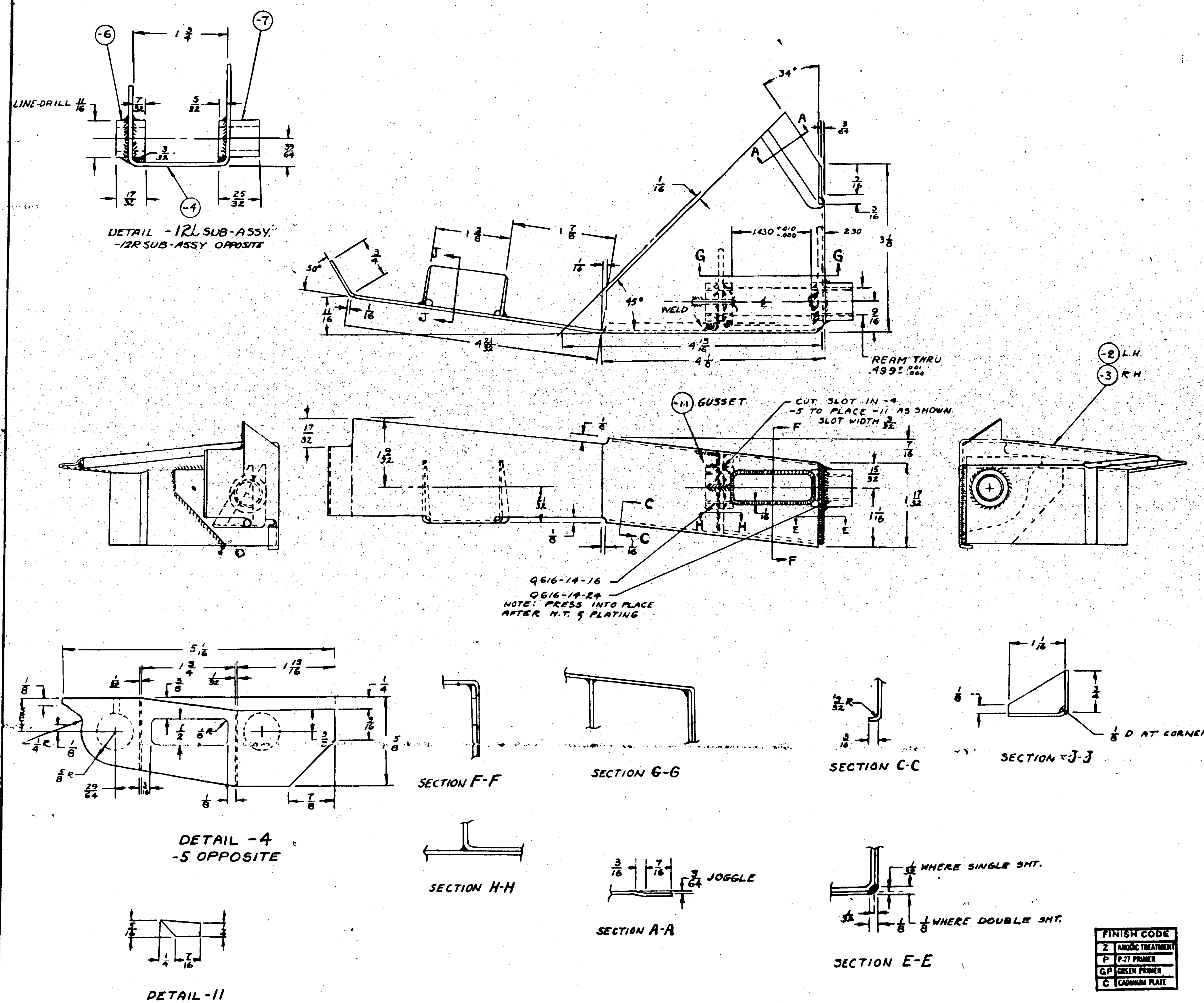
ALL AL. ALLOY SHEET 24ST SPEC. 47A10 (CONDITION T) ALLOY 24T EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS ... (CONDITION T) ALLOY 24ST EXCEPT AS NOTED
HEAT TREAT ... CONDITION ... MATERIAL PER SPEC. ...
RIVETS AL. ALLOY EXCEPT AS NOTED

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME: TROUGH. WING - OUTER PANEL - FLOAT CONTROL.

OPP. HAND 28W132-...

G 28W132



LET	ALTERATION	DATE	BY
2	TRACED. NO WT. CHG.	8-11-43	WELLS
	IN OPP HAND BLK. 28W134-R WAS 28W134-1. NO WT. CHG.	8-11-43	WELLS
5	TO FACE & DIM ADDED CALLOUT-124R SUB-ASSY. NO WT. CHG.	8-11-43	WELLS

NOTE:
ALL CORNERS & BEND RADII ON
-2 & -3, 1/16 UNLESS OTHERWISE SHOWN.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
5/R	28-5AMH	28W020	1EA
5/R	PBY-5B	28W020	1EA
5/R	28-5AMC	28W020	1EA
5/R	28-5MN	28W020	1EA
5/R	28-5ME	28W020	1EA
5/R	28-5MC	28W020	1EA
5/R	28-5MA	28W020	1EA
5/R	PBY-5-A	28W020	1EA
5/R	PBY-5	28W020	1EA
-R	PBY-4	28W020-1	
-L	PBY-4	28W020	
-R	PBY-3	28W020-1	
-L	PBY-3	28W020	
-R	PBY-2	28W020-1	
-L	PBY-2	28W020	
-R	PBY-1	28W020-1	
-L	PBY-1	28W020	
-R	XP3Y-1	28W020-1	
-L	XP3Y-1	28W020	

REQUIREMENTS PER AIRPLANE

REPLACES — .850 CALC. WT.

REPLACED BY — ACT. WT.

± .010 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 REQ LH	-0 REQ RH	-2 REQ LH	-2 REQ RH	-3 REQ LH	-3 REQ RH	-4 REQ LH	-4 REQ RH	-5 REQ LH	-5 REQ RH
-7	11/16 O.D. × 1/8 × 7/8	C.M.STL. TUBE	44-T-18-COND A	1									
-6	11/16 O.D. × 1/8 × 5/8	C.M.STL. TUBE	44-T-18-COND A	1									
-5	.078 × 1 3/4 × 5 1/4	C.M.STL. TUBE	47-S-14-COND A	1									
-12R	SUB ASSY												
-7	11/16 O.D. × 1/8 × 7/8	C.M.STL. TUBE	44-T-18-COND A	1									
-6	11/16 O.D. × 1/8 × 5/8	C.M.STL. TUBE	44-T-18-COND A	1									
-4	.078 × 1 3/4 × 5 1/4	C.M.STL.	47-S-14 COND A	1									
-12L	SUB-ASSY												
Q616-14-16				1	1								
Q616-14-24				1	1								
-11	.063 × 1/2 × 7/8	C.M.STL. SHT.	47-S-14 COND A	1	1								
-12R	SUB. ASSY				1								
-12L	SUB. ASSY			1									
-3	.050 × 7 1/8 × 12 3/4	C.M.STL.	47S-14 COND A		1								
-2	.050 × 7 1/8 × 12 3/4	C.M.STL.	47S-14 COND A	1									

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
AC		CARTE	THURBER			HHP	
NAVY 180,000 #/□ SH 87 b-3	C-Z GP (PBY-1) C-P GP (PBY-2 ...)	4-25-36	5-12-3?				

NAME FITTING - WING - FLOAT STRUT - ATTACHM. - REAR

OPP HAND 28W134-R

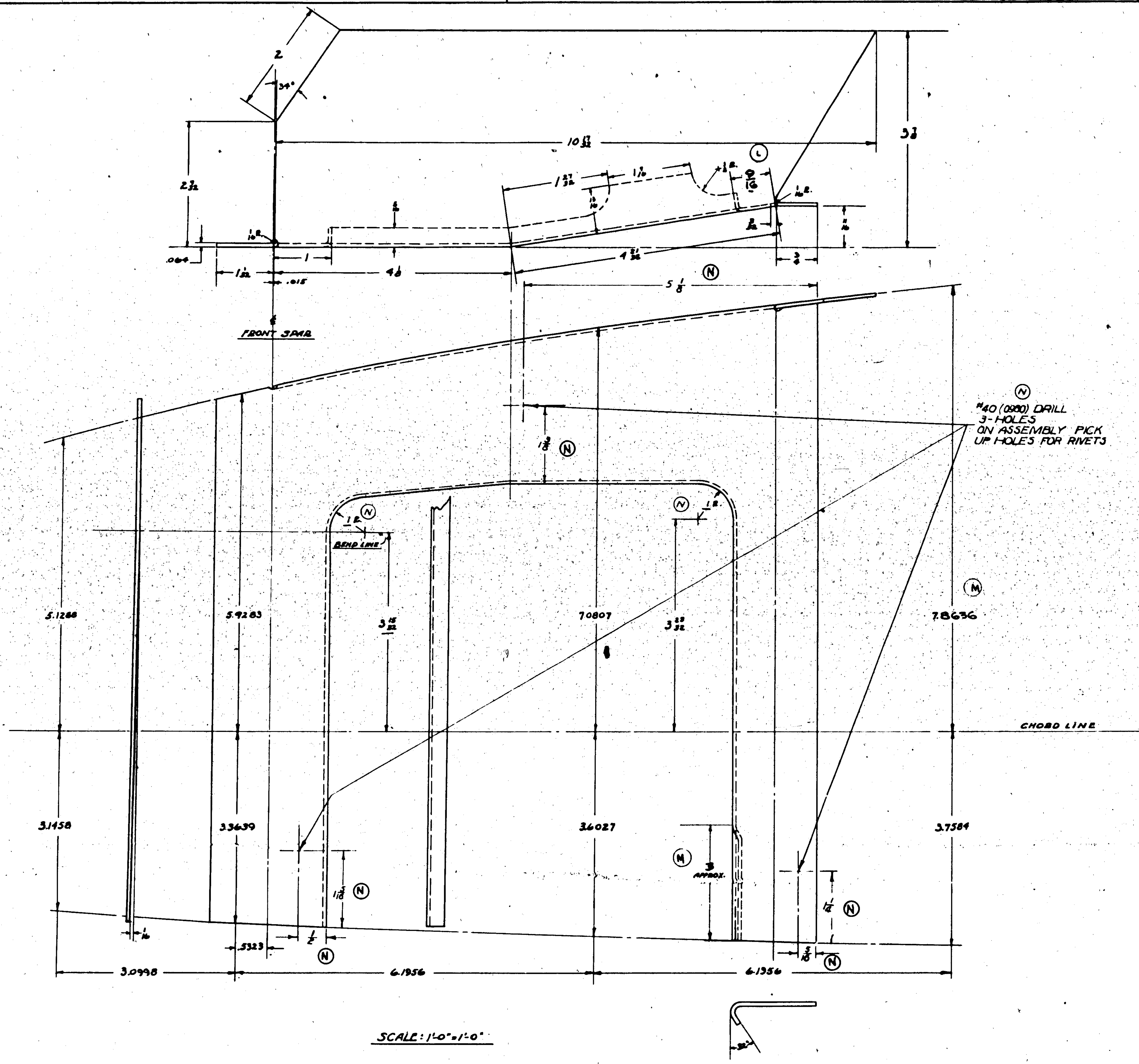
DWG SIZE G — 28W134

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28W134

LET	ALTERATION	DATE	BY
K	TRACED & BROUGHT UP TO [illegible]	8-3[illegible]	[illegible]
L	9/16 WAS 11/16	2-3-38	[illegible]
M	7.8636 WAS 7.8366; 3 APPROX.		
	WAS 2 APPROX; ADDED PBY-2, PBY-3,		
	PBY-4 REQ.; ADDED FINISH NOTE	3-3-38	[illegible]
N	DIM. 1" R WAS 5/8 R (2 PLACES): ADDED	5-13-41	[illegible]
	3 HOLES FOR RIVETS AS SHOWN		

ECO.145
ECO 3116
E.O.462 PBY-5



GP-GREEN PRIME
FINISH CODE

FINISH: GP
Z-P-[illegible] FOR PBY-1
Z-P-[illegible] FOR PBY-2 & FUTURE GP

O.H.	MODEL	NEXT ASSY.	REQ.
-L	PBY-5	28W004	1EA.
-R	PBY-5		1EA.
	PBY-5		
	28-5ME		
	" - MA		
	" - MC		
	" - MN	28W004	
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
	XP3Y-1	28W004	

REQUIREMENTS PER AIRPLANE — PART NO. — MAT. — PARTS LIST PER ASSY.

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± .010
APPROVED	PCW 9-26-36 DATE
CALC. WT.	.65
ACT. WT.	
SCALE	NOTED
MATERIAL	NAVY AL. ALLOY .064
SPEC.	47A10 CONDITION A
HEAT TREAT	SR-63
FINISH	NOTED
DRAFT	7-11-34
CHECK	7-16-34

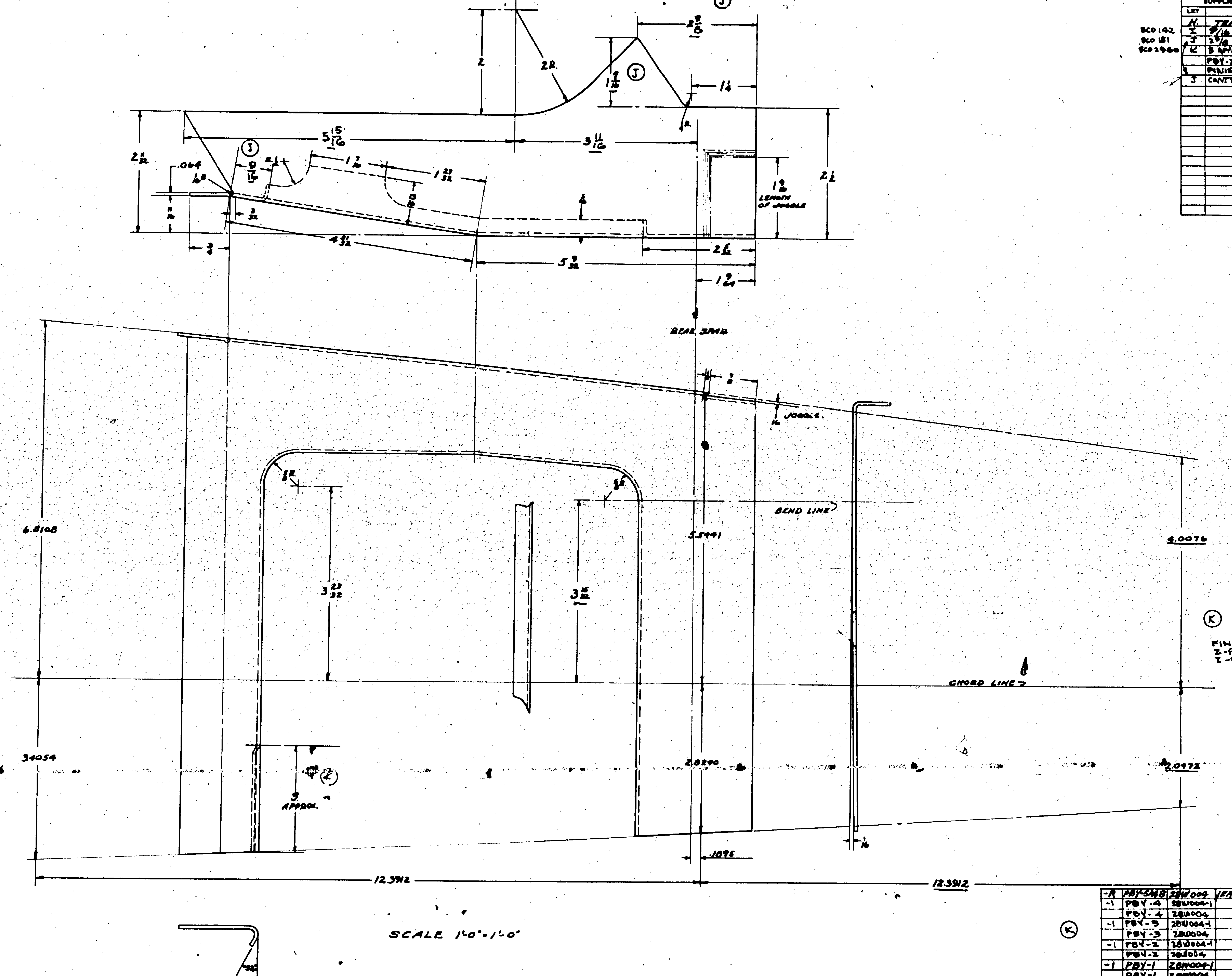
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME: - PLATE - WING -
- FLOAT STRUT FITTING -
- FRONT -

OPP. HAND 28W144-1

G 28W144



FINISH - GP
Z-P-2 FOR PBY-1
Z-P-2 GP FOR PBY-2 & FUTURE

GP GREEN PRIME
FINISH COL

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	H.	TRACED UP TO DATE	[illegible]	[illegible]
BCO 142	I	9/16 WAS 11/16	[illegible]	[illegible]
BCO 151	J	2 5/16 WAS 2 9/32; 1 9/16 WAS 1 5/16		
BCO 2960	K	3 APPROX WAS 2 APPROX.; ADDED PBY-2, PBY-3, & PBY-4 REQ.; ADDED FINISH NOTE.	[illegible]	[illegible]
	J	CONT'D-5 15/16 WAS 6 ... ; 3 11/16 WAS 3 ...	[illegible]	[illegible]

O.H.	MODEL	NEXT ASSY.	REQ.
-R	PBY-5 MB	28W004	1EA
-1	PBY-4	28W004-1	
	PBY-4	28W004	
-1	PBY-3	28W004-1	
	PBY-3	28W004	
-1	PBY-2	28W004-1	
	PBY-2	28W004	
-1	PBY-1	28W004-1	
	PBY-1	28W004	
-1	XP3Y-1	28W004-1	
	XP3Y-1	28W004	
-L	PBY-5 MB	28W004	1EA

REQUIREMENTS PER AIRPLANE

PART NO.

PARTS LIST PER ASSY.

REPLACES

REPLACED BY

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010

APPROVED [illegible] DATE 9-29-36

CALC. WT. .38 ... ACT. WT.

SCALE NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NAVY AL. ALLOY (.064)	[illegible]	SR-53	NOTED.

DRAFT	CHECK	EXAM.	ENG.
[illegible] 7-8-36		[illegible] 7-16-36	L.

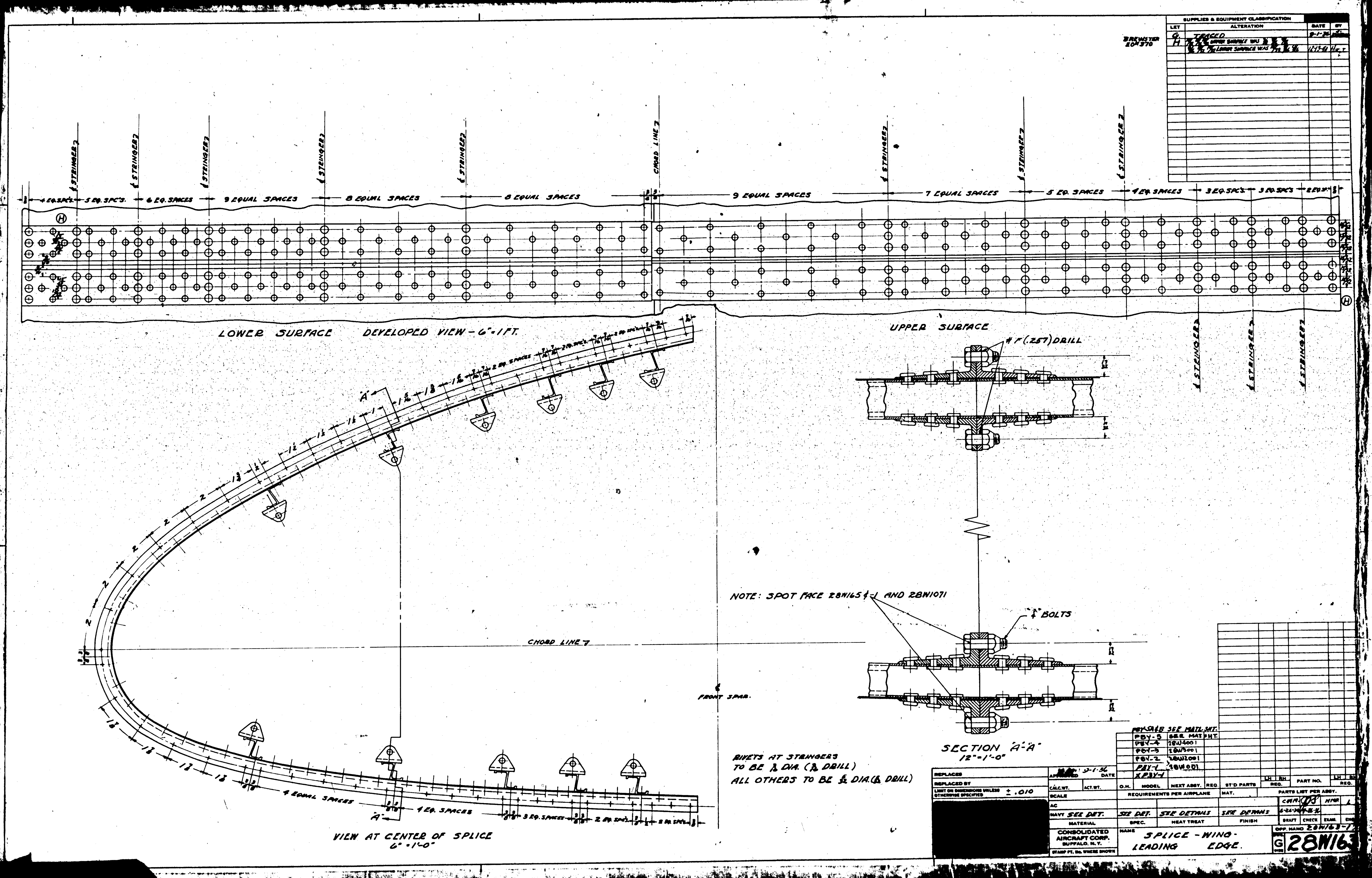
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

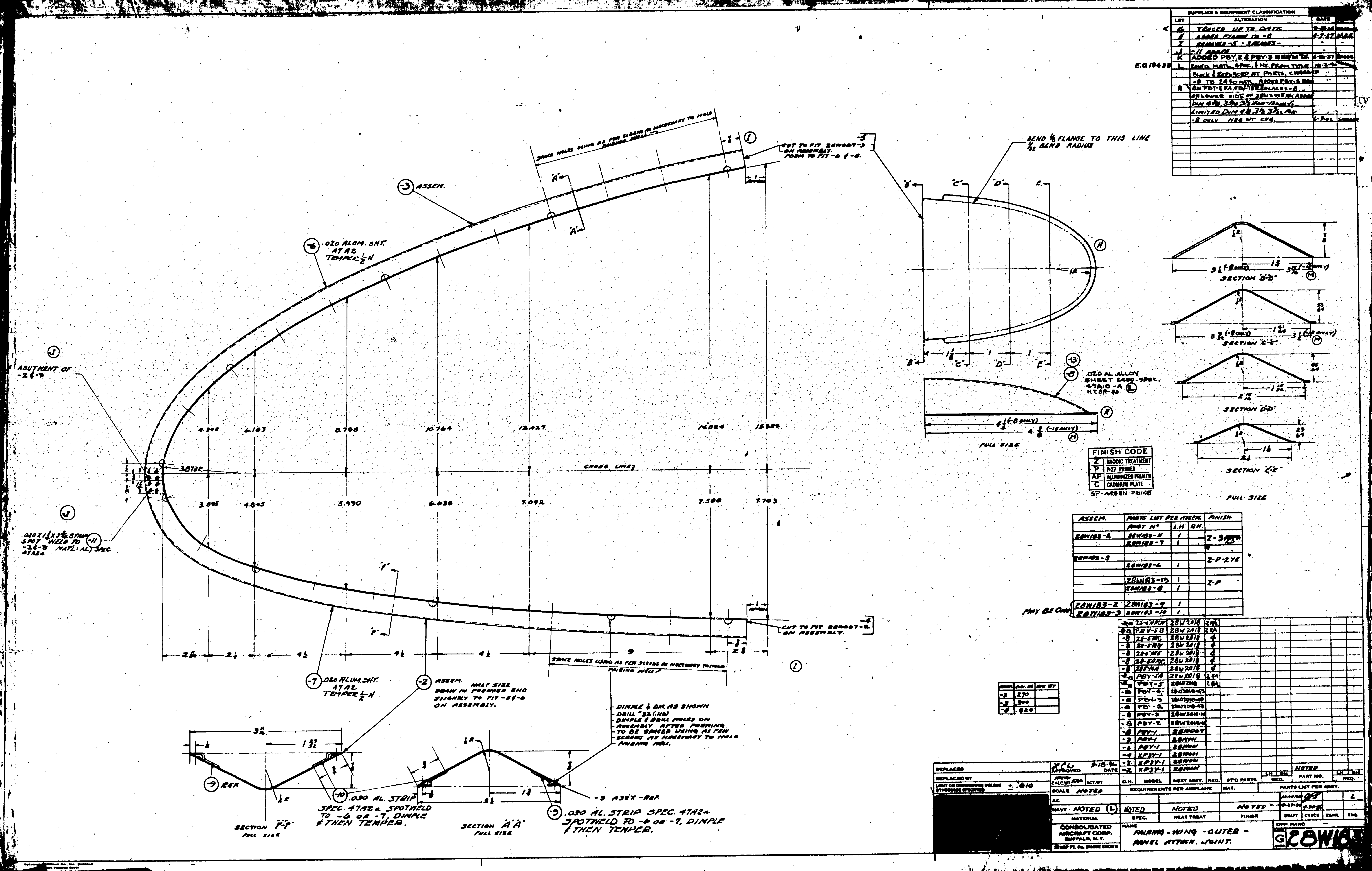
NAME: PLATE - WING - FLOAT STRUT FITTING - REAR -

OPP. HAND 28W145-1

G 28W145

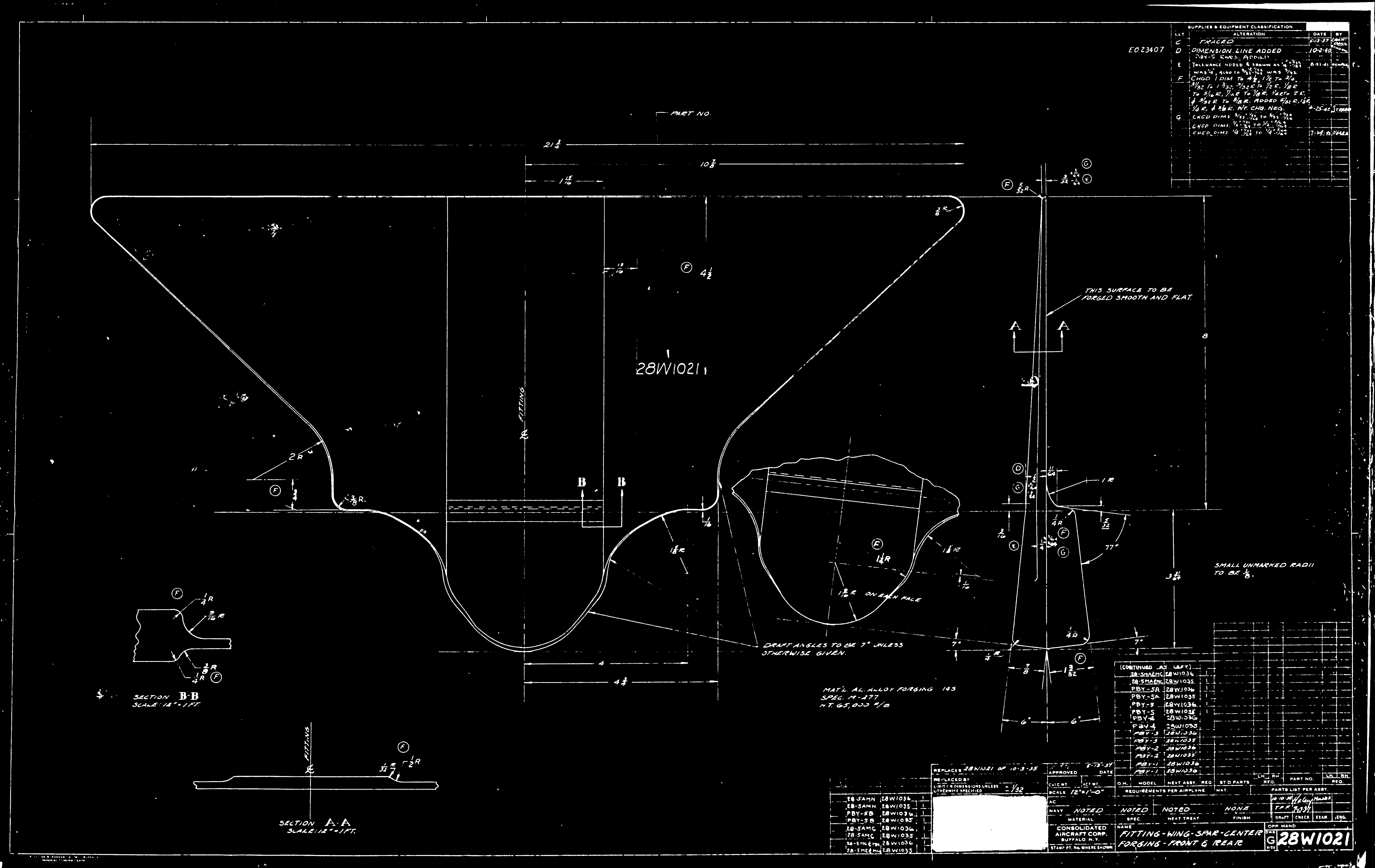


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
G TRACED
BREWSTER EO#370
CHORD LINE
STRINGER
9 EQUAL SPACES
8 EQUAL SPACES
7 EQUAL SPACES
5 EQ. SPACES
6 EQ. SPACES
LOWER SURFACE DEVELOPED VIEW - 6" = 1 FT.
UPPER SURFACE
F (.257) DRILL
NOTE: SPOT FACE 28W165-1 AND 28W1071
1/4" BOLTS
CHORD LINE
FRONT SPAR
SECTION "A-A" 12" = 1'-0"
RIVETS AT STRINGERS TO BE 1/8 DIA. (1/8 DRILL)
ALL OTHERS TO BE 1/8 DIA. (1/8 DRILL)
4 EQUAL SPACES
4 EQ. SPACES
3 EQ. SPACES
2 EQ. SPACES
VIEW AT CENTER OF SPLICE 6" = 1'-0"
PBY-5 SEE MATL SHT.
PBY-4 28W4001
PBY-3 28W3001
PBY-2 28W2001
PBY-1 28W001
XP3Y-1
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±.010
APPROVED 9-1-36 DATE
CALC.WT. ACT.WT.
SCALE
NAVY SEE DET.
MATERIAL
SEE DET. SEE DETAILS SEE DETAILS
SPEC. HEAT TREAT FINISH
O.H. MODEL NEXT ASSY. REQ. ST'D PARTS REQ. PART NO.
REQUIREMENTS PER AIRPLANE MAT.
PARTS LIST PER ASSY.
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME SPLICE - WING - LEADING EDGE.
G 28W163

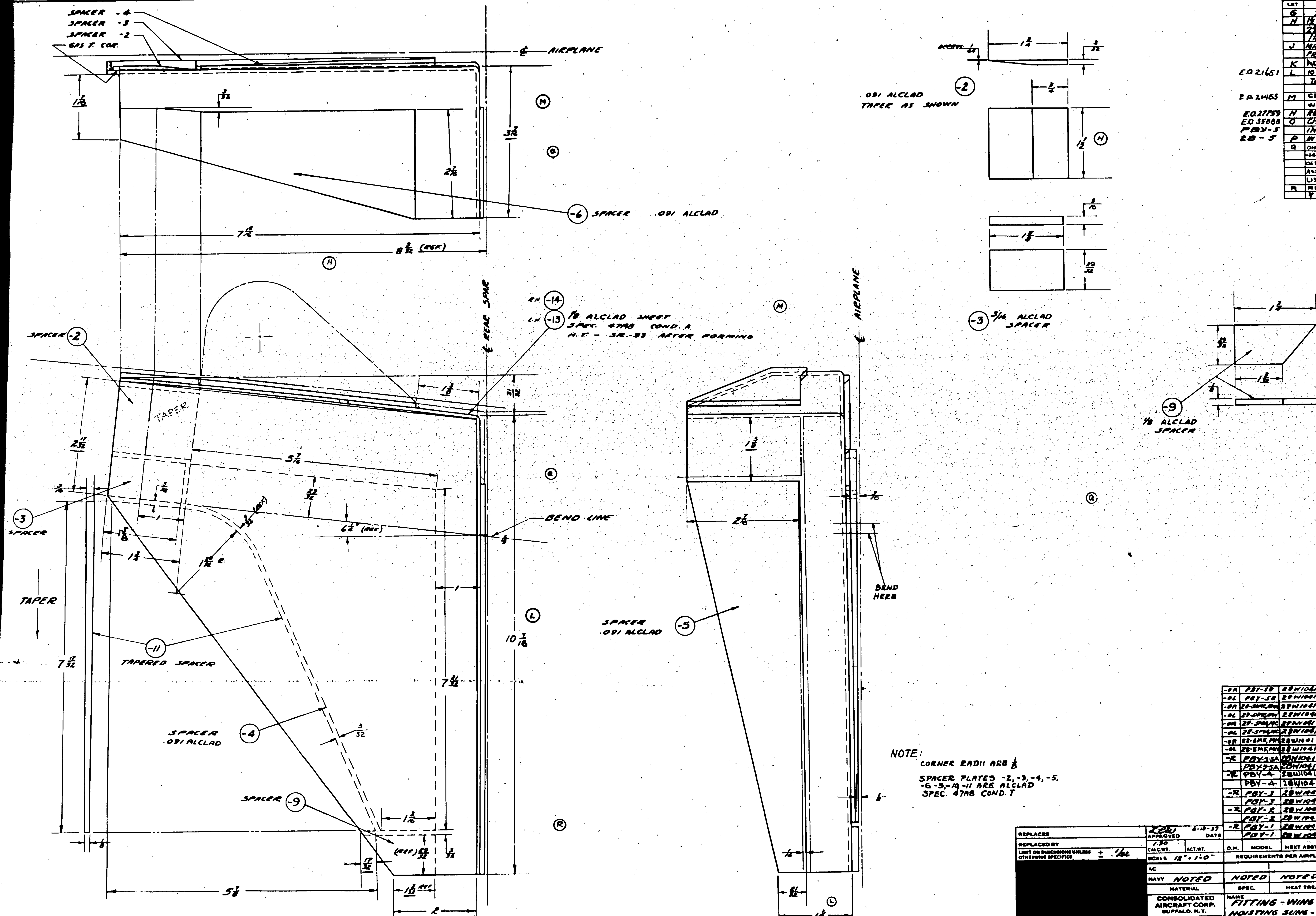


SUPPLIES & EQUIPMENT CLASSIFICATION
LTR
ALTERATION
DATE
TRACED UP TO DATE
ADDED PBY2 & PBY-3 REQ'M'TS.
-3 ASSEM.
.020 ALUM. SHT. 47A2 TEMPER 1/2 H
ABUTMENT OF
CHORD LINE
4.348
6.163
8.796
10.764
12.427
14.824
15.389
3.895
4.845
5.990
6.638
7.092
7.588
7.703
CUT TO FIT ON ASSEMBLY.
SPACE HOLES USING AS FEW SCREWS AS NECESSARY TO HOLD FAIRING WELL
-7 .020 ALUM. SHT. 47A2 TEMPER 1/2 H
-2 ASSEM. HALF SIZE
DIMPLE & DM. AS SHOWN
.030 AL. STRIP SPEC. 47A2a SPOTWELD TO -6 OR -7, DIMPLE & THEN TEMPER.
-3 ASS'Y - REF.
SECTION "F-F" FULL SIZE
SECTION "A-A" FULL SIZE
BEND 1/8 FLANGE TO THIS LINE 1/32 BEND RADIUS
.020 AL. ALLOY SHEET
FULL SIZE
SECTION "B-B"
SECTION "C-C"
SECTION "D-D"
SECTION "E-E"
FULL SIZE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
GP-GREEN PRIME
ASSEM.
PARTS LIST PER ASSEM.
FINISH
PART N°
L.H.
R.H.
MAY BE CUT
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010
APPROVED
DATE
CALC. WT.
ACT. WT.
SCALE NOTED
AC
NAVY NOTED
MATERIAL
SPEC.
HEAT TREAT
FINISH
NOTED
DRAFT
CHECK
EXAM.
ENG.
Q.H.
MODEL
NEXT ASSY.
REQ.
STD PARTS
PART NO.
REQUIREMENTS PER AIRPLANE
MAT.
PARTS LIST PER ASSY.
OPP. HAND
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME
FAIRING - WING - OUTER - PANEL ATTACH. JOINT.
G 28W183

SECTION A-A
SECTION B-B
VIEW A-A
28W1016
28W1015
PBY 2
PART NO
G 28W1014



SUPPLIES & EQUIPMENT CLASSIFICATION
LTR | ALTERATION | DATE | BY
E.O. 23407
C TRACED 6-13-37
D DIMENSION LINE ADDED 10-2-40
PBY-5 REQS. ADDED
E TOLERANCE ADDED 8-21-41
F CHGD 1 DIM TO 4 1/2, 1 1/2 TO 3/4 ... WT. CHG. NEG. 6-25-42
G CHGD DIMS 7-24-42 O'HARA
PART NO.
28W1021
FITTING
SECTION B-B SCALE: 12" = 1 FT.
SECTION A-A SCALE: 12" = 1 FT.
THIS SURFACE TO BE FORGED SMOOTH AND FLAT.
SMALL UNMARKED RADII TO BE 1/8.
DRAFT ANGLES TO BE 7° UNLESS OTHERWISE GIVEN.
MAT'L AL. ALLOY FORGING 14S
SPEC. M-277
H.T. 65,000 #/□
REPLACES 28W1021 OF 10-3-35
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED DATE 5-13-37
SCALE 12" = 1'-0"
NAVY NOTED NOTED NOTED NONE
MATERIAL SPEC. HEAT TREAT FINISH
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN
NAME FITTING - WING - SPAR - CENTER FORGING - FRONT & REAR
DWG SIZE G 28W1021
OPP. HAND
DRAFT CHECK EXAM. ENG.
O.H. MODEL NEXT ASSY. REQ. STD PARTS MAT. PARTS LIST PER ASSY.
REQUIREMENTS PER AIRPLANE
28-5AMN 28W1036
28-5AMN 28W1035
PBY-5B 28W1036
PBY-5B 28W1035
28-5AMC 28W1036
28-5AMC 28W1035
28-5ME&MN 28W1036
28-5ME&MN 28W1035
(CONTINUED AT LEFT)
PBY-5A 28W1036
PBY-5A 28W1035
PBY-5 28W1036
PBY-5 28W1035
PBY-4 28W1036
PBY-4 28W1035
PBY-3 28W1036
PBY-3 28W1035
PBY-2 28W1036
PBY-2 28W1035
PBY-1 28W1036
PBY-1 28W1036



NOTE:
CORNER RADII ARE 1/8

SPACER PLATES -2, -3, -4, -5, -6 -9, -10, -11 ARE ALCLAD SPEC. 47A8 COND. T

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	G	TRACED	6-15-37	[illegible]
	H	1 1/2 DIM. ON -2 WAS 1 13/32	1-27-38	[illegible]
		2 3/8 " " -12 " 2	"	"
		1 3/16 " " -12 " 1	"	"
	J	MAT'L ON ALL DASH NOS. CH'GD	"	
		FROM DURAL TO ALCLAD	11-18-39	R.C.H.
	K	ADDED E-P FINISH	11-19-39	[illegible]
E.O. 21651	L	10 7/16 WAS 10 5/16; 1 1/2 WAS 1 9/16		
		TOLERANCE INCREASED TO ± 1/32 WAS		
		±.010"	11-4-40	SCHROEDER
E.O. 21455	M	CREATE ASSY -2 FOR -13 & -14	11-4-40	SCHROEDER
		WITHOUT COVER PL. -12 & SLOT		
E.O. 27759	N	REMOVED NOTE	12-1-40	[illegible]
E.O. 35866	O	CHANGED ASSY NO. WAS -2 TO -55	4-10-41	[illegible]
PBY-5		IN B/M.		
28-5	P	IN B/M REMOVED -12 FROM -55 ASS'Y	6-2-41	[illegible]
	Q	ON FACE & B/M IN -0 ASSY. -13 WAS -7,		
		-14 WAS -8, REMOVED -12. REMOVED		
		DETAIL -55 ASSY & REPLACE WITH -0 L/R		
		ASSY. REMOVED -55 ASSY FROM "PARTS		
		LIST PER ASSY. NO WT. CHG.	5-6-43	[illegible]
	R	REMOVED -10 FROM DWG.		
		& B/M WT. CH.G. NEG	6-24-43	[illegible]

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	REQ. LH	REQ. RH	PART NO.	REQ. LH	REQ. RH
-0R	PBY-5B	28W1041	1						
-0L	PBY-5B	28W1041	1						
-0R	28-5MC,[illegible]	28W1041	1EA.						
-0L	28-5MC,[illegible]	28W1041	1EA.						
-0R	28-5MA,MC	28W1041	1EA.						
-0L	28-5MA,MC	28W1041	1EA.						
-0R	28-5ME,MN	28W1041	1EA.						
-0L	28-5ME,MN	28W1041	1EA.						
-R	PBY-5-5A	28W1041	1EA.				-2	1	1
	PBY-5-5A	28W1041	1EA.				-11	1	1
-R	PBY-4	28W1041					-9	1	1
	PBY-4	28W1041					-14		1
-R	PBY-3	28W1041					-13	1	
	PBY-3	28W1041					-6	1	1
-R	PBY-2	28W1041					-5	1	1
	PBY-2	28W1041					-4	1	1
-R	PBY-1	28W1041					28W1042-3	1	1
	PBY-1	28W1041					-0 ASSEM.		

REQUIREMENTS PER AIRPLANE — PARTS LIST PER ASSY.

REPLACES		APPROVED [illegible]	DATE 6-15-37
REPLACED BY		CALC. WT. 1.30	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/32	SCALE 12" = 1'-0"	
		AC	
		NAVY NOTED	
		MATERIAL	

SPEC.	HEAT TREAT	FINISH	DRAFT	CHECK	EXAM.	ENG.
NOTED	NOTED	Z-P	10-24-3[illegible]	[illegible]		
			F.R.F.	7-13-37	[illegible]	

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

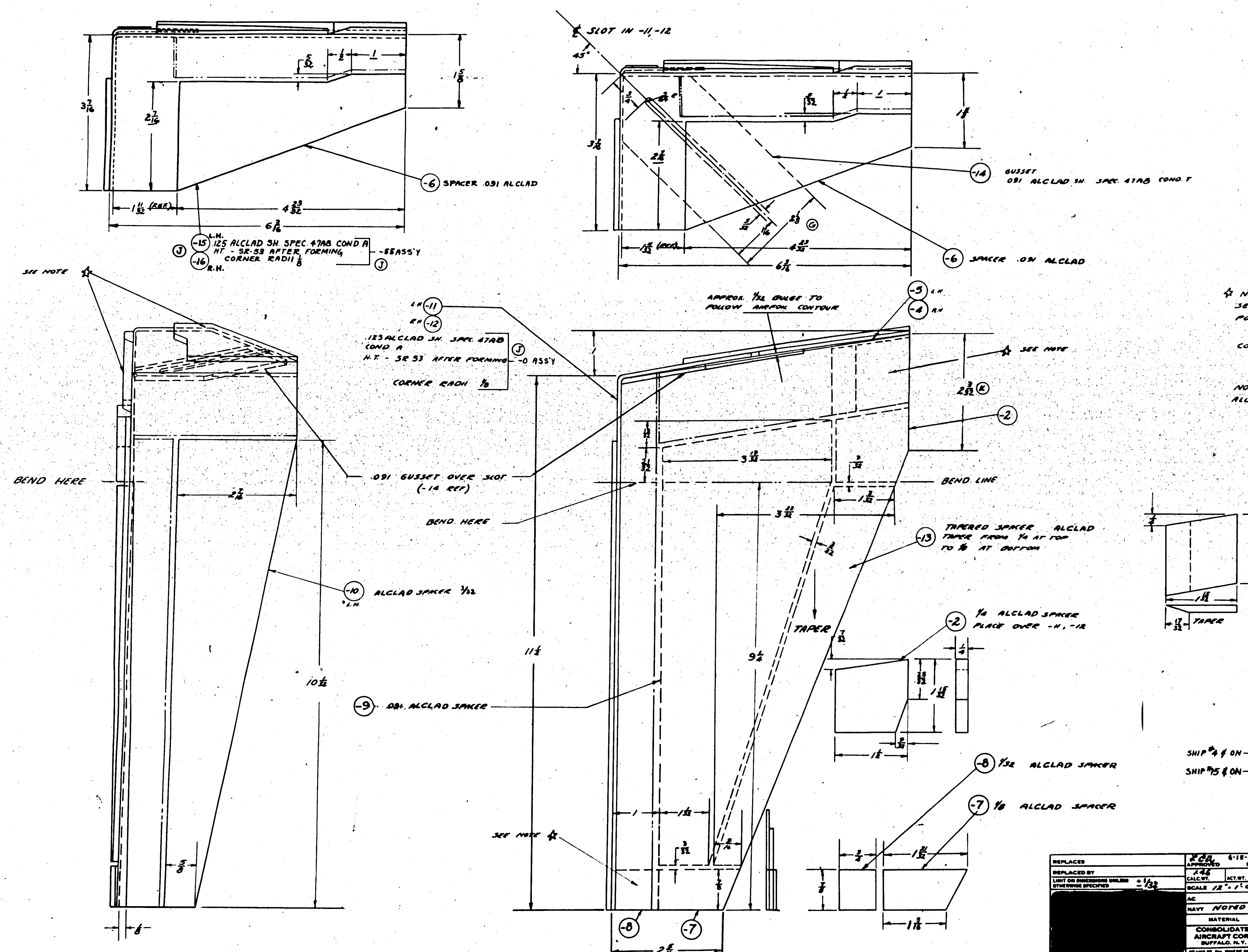
STAMP PT. No. WHERE SHOWN

NAME: FITTING - WING - REAR SPAR HOISTING SLING - GAS TIGHT COR.

OPP. HAND 28W1042-R

DWG. SIZE G — 28W1042

R 28W1042



☆ NOTE ~ CORNER PIECE IS NOT JOGGLED. SEPARATE SPACERS SHOWN IN INSTALLED POSITIONS.

CORNER RADII 1/8

NOTE ~ ALL SPACERS ALCLAD SPEC. 47AB COND. T

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	F	TRACED	6-15-37	[illegible]
GA6771	G	1 1/2 DIM ON -4-5 WAS 1 3/8	1-27-38	[illegible]
		2 1/8 " " -14 " 2	"	"
		1 1/16 " " -14 " 1	"	"
	H	MAT'L. ON ALL DASH NOS. CHG'D.		
		FROM AL. ALLOY TO ALCLAD	11-10-38	E.C.H.
	I	ADDED Z-P FINISH	4-19-39	[illegible]
	J	CREATE ASS'Y -55 FOR -15 & -16	11-18-40	[illegible]
		WITHOUT COVER PL.-14 & SLOT		
E.O.21660	K	2 3/32 WAS 2 1/16, CHG'D DIM. TOLERANCE	12-2-40	[illegible]
		FROM .010 TO 1/32		
	L	[illegible] REMOVED -[illegible] FROM -55 ASS'Y		
		-55 ASS'Y WAS -2, [illegible] REQ PER		
		AIRPLANE -55 [illegible] WAS -2 [illegible]	6-2-41	[illegible]

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

SHIP #4 & ON; SHIP #5 & ON

D.N.	MODEL	NEXT ASSY.	REQ.	ST'D PARTS	LH REQ.	RH REQ.	PART NO.	LH REQ.	RH REQ.
							-16		1
							-15	1	
							-13	1	1
							-10	1	1
							-9	1	1
							-8	1	1
							-7	1	1
							-6	1	1
							-5	1	
							-4		1
-55R	PBY-5A[illegible]	28W1043	1EA				28W1044-2	1	1
-55R	28-5ME	28W1043					-55 ASSEM.		
-55L	28-5ME	28W1043					28W1044-2	1	[illegible]
-55R	PBY-5	28W1043					-14	1	
-55L	PBY-5	28W1043					-13	1	1
-R	PBY-5	28W1043					-12		1
	PBY-5	28W1043					-11	1	
-R	PBY-4	28W1043					-10	1	1
	PBY-4	28W1043					-9	1	1
-R	PBY-3	28W1043					-8	1	1
	PBY-3	28W1043					-7	1	1
-R	PBY-2	28W1043					-6	1	1
	PBY-2	28W1043					-5	1	
-R	PBY-1	28W1043					-4		1
	PBY-1	28W1043					-0 ASSEM.		
-55L	PBY-5A[illegible]	28W1043	1EA						

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES		APPROVED [illegible]	DATE 6-15-37		
REPLACED BY		CALC. WT. 146	ACT. WT.		
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/32	SCALE 12" = 1'-0"			
		AC			
		NAVY NOTED	NOTED	NOTED	Z-P
		MATERIAL	SPEC.	HEAT TREAT	FINISH

DRAFT	CHECK	EXAM.	ENG.
10-8-35	[illegible]		
EAF	8-13-37	[illegible]	

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

STAMP PT. No. WHERE SHOWN

NAME: FITTING - WING - FRONT SPAR HOISTING SLING - GAS TIGHT COR

OPP. HAND 28W1044-R

DWG. SIZE G — 28W1044

R

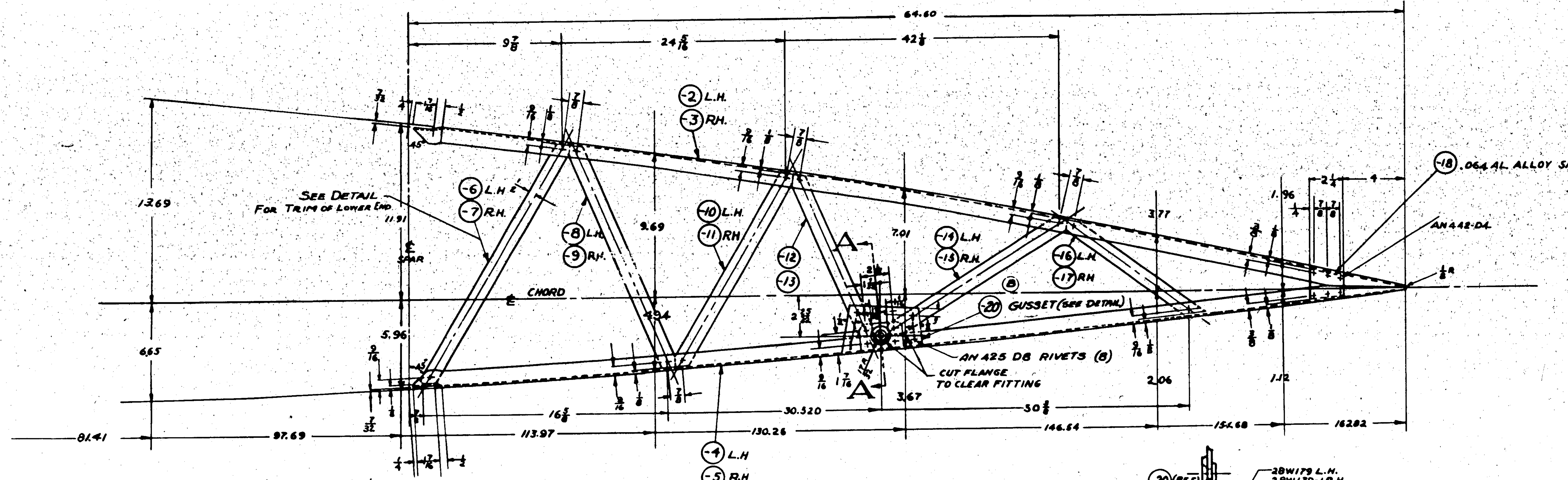
28W1044

INCORPORATES
PBY-1 BUREAU CHANGE NO. 93
PBY-2 BUREAU CHANGE NO. 53
PBY-3 BUREAU CHANGE NO. 30

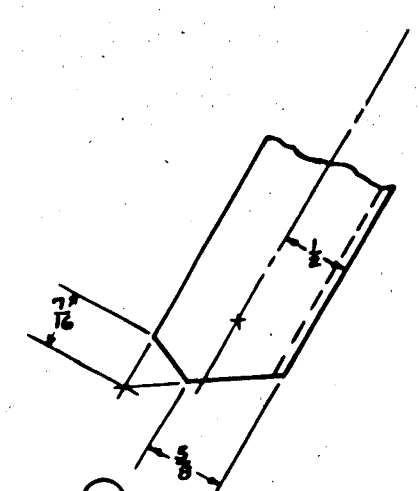
SUPPLIES & EQUIPMENT CLASSIFICATION

LET	ALTERATION	DATE	BY
A	TRACED	5-12-37	[illegible]
B	REPLACED -19 BEARING WITH 28W4018 & 28W4019 ; ADDED -20 GUSSET & -30 ASS'Y.	12-27-38	[illegible]
C	28W4019 REMOVED FROM B/M	6-21-39	[illegible]
D	-20 DIM. 1" WAS 1 1/8 11.91 MOVED TO OUTSIDE CONTOUR LINE	11/16/40	WAKE
E	TOLERANCE NOTE ADDED ± 1/16		[illegible]
F	CHANGED & ADDED DETAIL -6,-7	5-13-41	[illegible]
G	ON FACE OF DWG, REMOVED NOTE "ALL ANGLES 1 x 3/4 x .070 AL. ALLOY ALCOA DIE #1288". ADDED NOTES #1 & #2 WT. CHG. NEG.	3-23-43	[illegible]

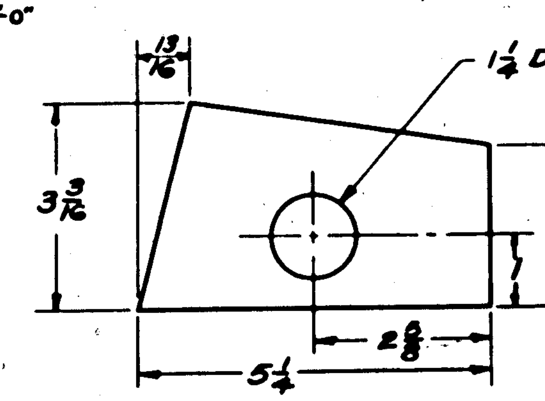
E.O. 38302 ALL MODEL 28's
PBY 5 E.O. 454 BREWSTER



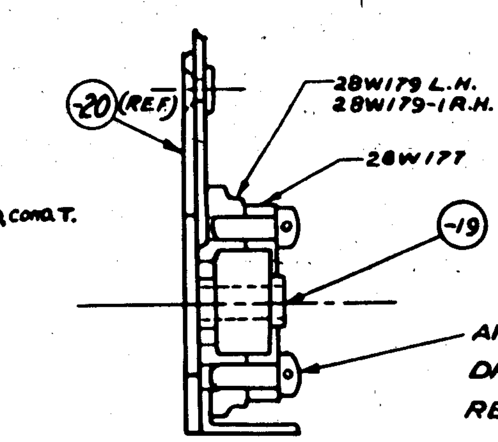
NOTES—
1. MATERIAL FOR -6,-7,-8,-9,-10,-11,-12,-13,-14,-15,-16,& 17 MAY BE:—
   A. Y6-A24 RT, OR
   B. EXTR. #K1288, 24ST AL.ALLOY, SPEC. 46A9, COND. T.
2. MATERIAL FOR -2,-3,-4,& -5 TO BE EXTR. K1288, 24ST AL.ALLOY, SPEC. 46A9, COND. T.
3. ALL RIVETS AN442-D8 UNLESS OTHERWISE NOTED
   SCALE 3"=1'-0"



DETAIL -6,-7



DETAIL OF -20 GUSSET
SCALE 6"=1'-0"
MAT'L -.091 AL. ALLOY (24ST)
SPEC. 47A10 COND. T.



SECTION A-A
SCALE 1'-0" = 1'-0"

-19 FAFNIR #SIK-6 BEARING (USED ON PBY-1 & 2 ONLY) — REPLACED BY 28W4018 & 28W4019 (REF.) ON PBY-3 & PBY-4 & ALL FUTURE SPARES.

AN502-10-8 (4 REQ)
DRILL #21 (.159)
REAM .2031 +.001 / -.0005 3/32 (THRU 28W177) REF.
TAP #10-32-NF3 28W179
LOCK WIRE AC995-41-6 FINISH "C"

FINISH (EXCEPT AS NOTED)
Z-P-AP FOR PBY-3 & FUT.
Z-P-GP FOR PBY-1
Z-P-GP FOR PBY-2

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

* NOTE :
USE -30L & -30R ASS'YS. FOR ALL FUTURE PBY-1 & PBY-2 SPARES.

THE TOLERANCE FOR RIB AND NOSE RIB ASSEMBLIES SHALL BE ± 1/16 ON ALL CONTOUR DIMENSIONS UNLESS OTHERWISE SPECIFIED.

D.H.	MODEL	NEXT ASSY	REQ
-30R	PBY-5B	28W023	[illegible]
-30L	PBY-5AMC	28W023	1
-30R	PBY-5A	28W023	1
-30L	PBY-5A	28W023	1
-30R	PBY-5	28W023	1
-30L	PBY-4	28W023	
-30R	PBY-4	28W023	
-30L	PBY-3	28W023	
-30R	PBY-3	28W023	
*-1	PBY-2	28W023	
*	PBY-2	28W023	
*-1	PBY-1	28W023	
*	PBY-1	28W023	

ST'D PARTS / PARTS LIST PER ASSY.: 28W4018; 28W1049-20; 28W179-1; 28W179; 28W177; -19; -18; -17; -16; -15; -14; -13; -12; -11; -10; -9; -8; -7; -6; -5; -4; -3; 28W1049-2; AN502-10-8; AC995-41-6; AN442-D4; AN442-D8

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	±.010" & 1/2°
APPROVED	I.C.W.
DATE	5-12-37
CALC. WT.	2.71
ACT. WT.	
SCALE	NOTED
MATERIAL	NAVY NOTED
SPEC.	NOTED
HEAT TREAT	NOTED
FINISH	NOTED
DRAFT	MAYES 12-4-36
CHECK	[illegible]

CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

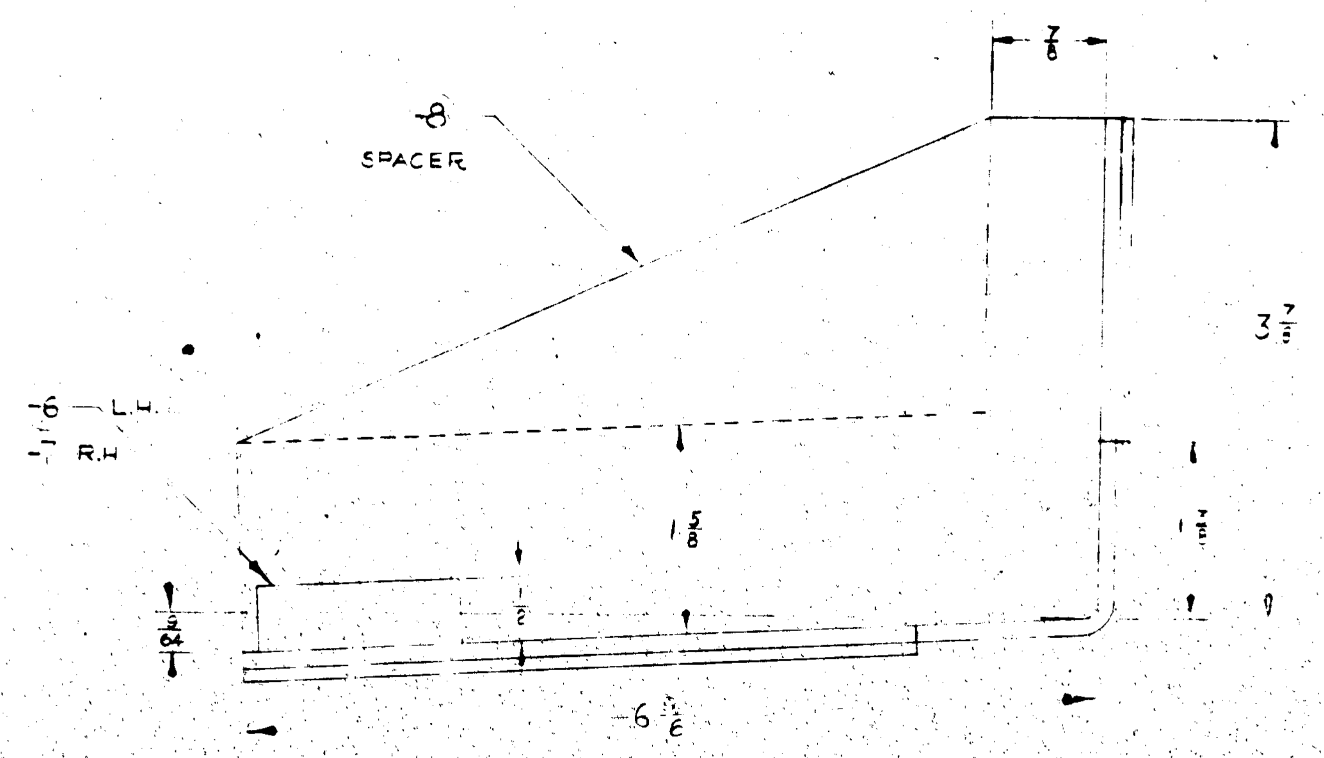
STAMP PT. No. WHERE SHOWN

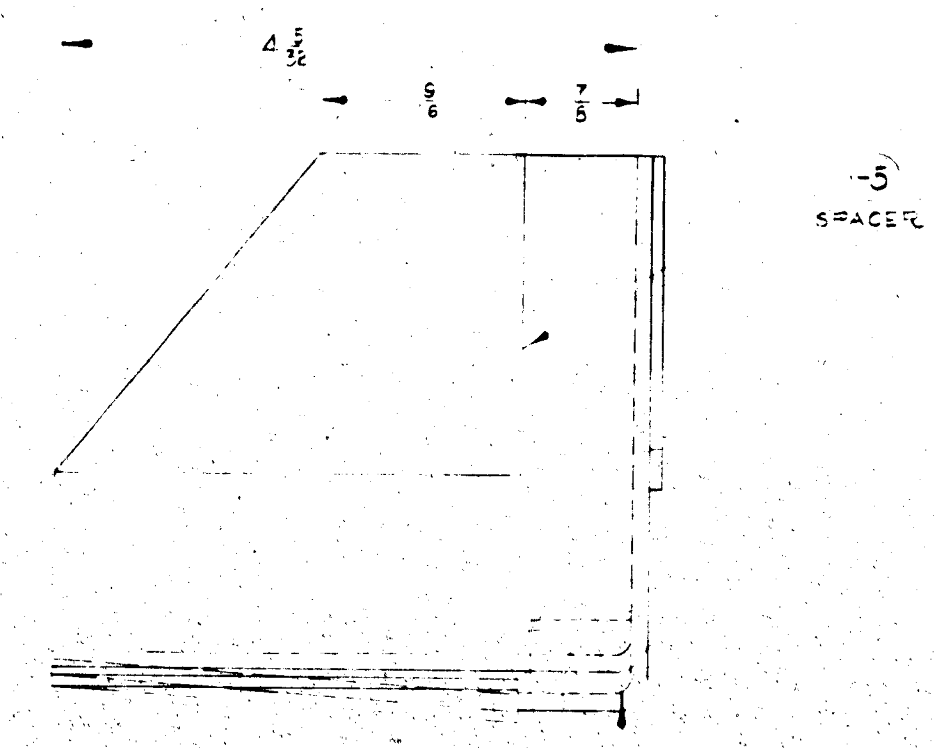
NAME RIB-WING-OUTER PANEL TRAILING EDGE - OUTBOARD

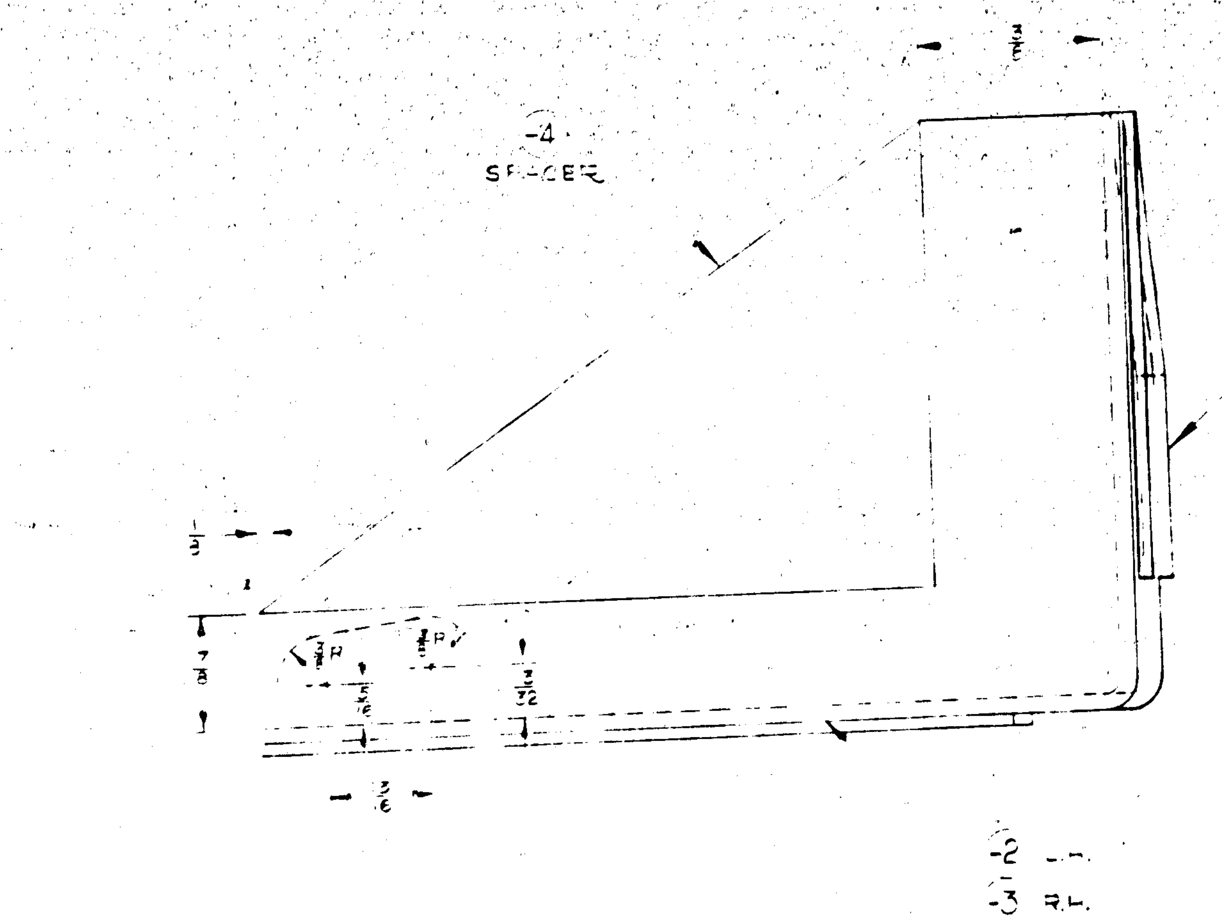
G 28W1049

R 28W1049

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				P	TRACED NO V.[illegible]	[illegible]	[illegible]







NOTE - CORNER PIECE IS NOT JOGGLED SEPARATE PARTS ARE SHOWN IN INSTALLED POSITION

NOTE - CORNER RADII [illegible]

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

ASSY DASH No	MODEL	NEXT ASSY	REQ
-R	PBY-5A	28W [illegible]	
-L	PBY-5A	28W [illegible]	
-R	PBY-5	28W [illegible]	
-L	PBY-5	28W [illegible]	
-R	PBY-5B	28W [illegible]	
-L	PBY-5B	28W [illegible]	
-R	[illegible]	28W [illegible]	
-L	[illegible]	28W [illegible]	
-R	PBY-4	28W [illegible]	
-L	PBY-4	28W 037	
-R	PBY-3	28W 037	
-L	PBY-3	28W 037	
-R	PBY-2	28W 037	
-L	PBY-2	28W 037	
-R	PBY-1	28W 037	
-L	PBY-	28W 037	

REQUIREMENTS PER AIRPLANE

REPLACES 28W 050 CF 4-24-37 — CALC WT 3

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 — SCALE 2 = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC
-8	.0[illegible] X $2\frac{1}{2}$ X $5\frac{7}{8}$	ALCLAD	QQ-A-362-T
-7	[illegible]	[illegible]	V 203-T
-6	[illegible]	[illegible]	V 203-T
-5	.0[illegible] X [illegible] X $3\frac{3}{8}$	ALCLAD	QQ-A-362-T
-4	.09 X [illegible] X [illegible]	ALCLAD	QQ-A-362-T
-3	.25 X [illegible] X [illegible]	ALCLAD	QQ-A-362-T
28W 050 -2	[illegible]	ALCLAD	QQ-A-362-T

PARTS LIST PER ASSY. — REQ -0, -2, -3, -4, -5 (LH / RH)

AC			
NAVY	Z-P		
HEAT TREAT	FINISH	DRAFT	CHECK	EXAM	MAT	APPROV	ENG

NAME FITTING - REAR SPAR CENTER ATTACH - GAS TIGHT COR

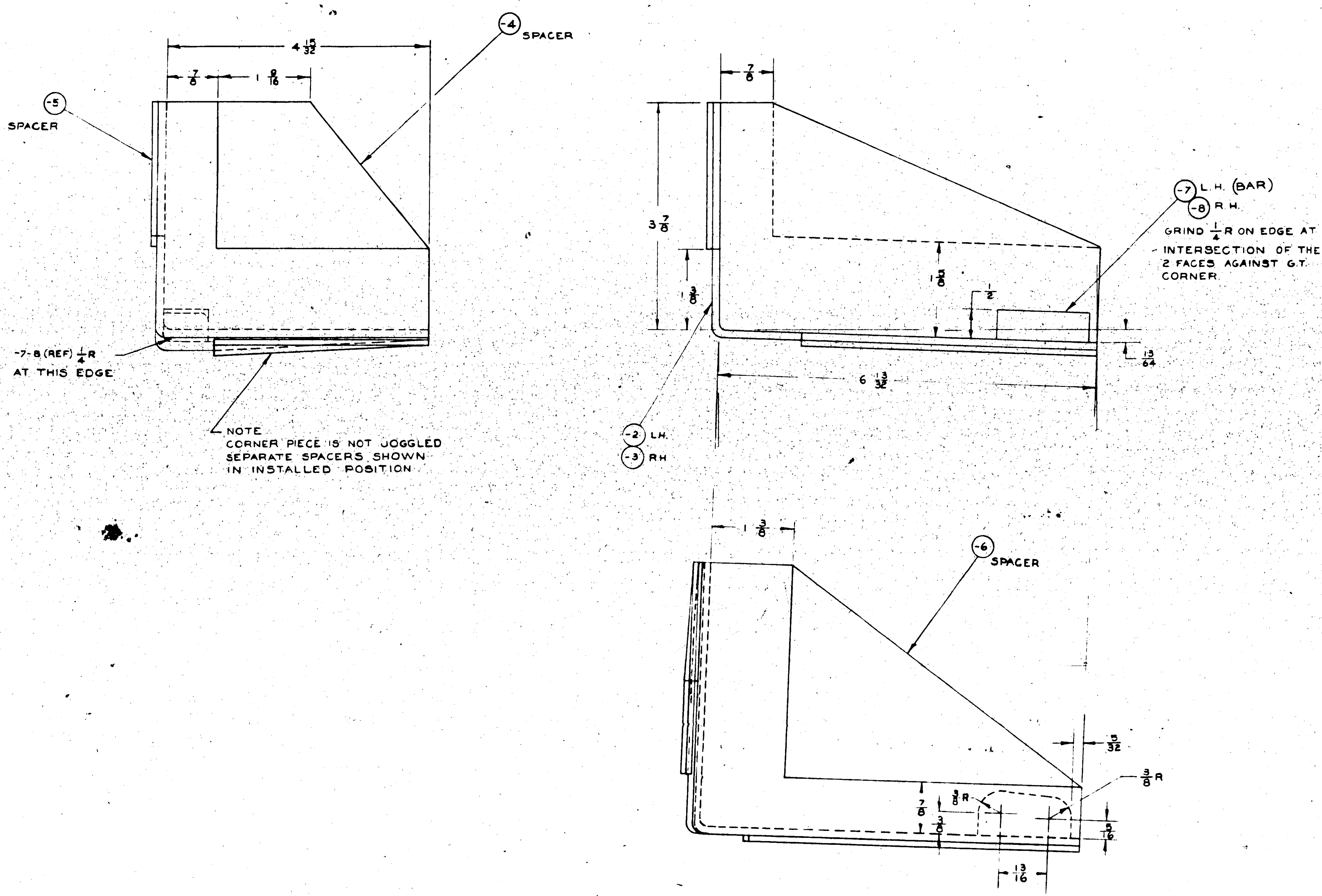
OPP. HAND 28W 1050-R

DWG SIZE G. 28W1050

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . . SAN DIEGO, CALIF.

28W 050

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				P	TRACED NO WT. CHG.	[illegible]	[illegible]



NOTES- (1) CORNER RADII 1/8

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

ASSY DASH No	MODEL	NEXT ASSY	REQ.
-R	PBY-5A	28W1038	1
-L	PBY-5A	28W1038	1
-R	PBY-5	28W1038	1
-L	PBY-5	28W1038	1
-R	PBY-5B	28W1038	1
-L	PBY-5B	28W1038	1
-R	ALL 28-5	28W1038	1
-L	ALL 28-5	28W1038	1
-R	PBY-4	28W1038	
-L	PBY-4	28W1038	
-R	PBY-3	28W1038	
-L	PBY-3	28W1038	
-R	PBY-2	28W1038	
-L	PBY-2	28W1038	
-R	PBY-1	28W1038	
-L	PBY-1	28W1038	

REQUIREMENTS PER AIRPLANE

REPLACES 28W1051 OF 4-24-37 — 1.04 CALC WT

REPLACED BY — ACT. WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015 — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	-0 LH	-0 RH	-2 LH	-2 RH	-3 LH	-3 RH	-4 LH	-4 RH	-5 LH	-5 RH
-8	1/2X3/4X 19/16	AL. AL.	M208-T		1								
-7	1/2X3/4X 19/16	AL. AL.	M208-T	1									
-6	.091X33/4X53/4	ALCLAD	QQ-A-362-T	1	1								
-5	.091X25/8X5 11/16	ALCLAD	QQ-A-362-T	1	1								
-4	.091X25/8X33/4	ALCLAD	QQ-A-362-T	1	1								
-3	.128X89/16X11/8	ALCLAD	QQ-A-362-T		1								
28W1038-2	.128X89/16X11/8	ALCLAD	QQ-A-362-T	1									

PARTS LIST PER ASSY.

HEAT TREAT	FINISH	DRAFT	CHECK	ENGR.	MAT	APPROV	ENG.
A C		11-26-36	Thurber	MILLER		LCW	
NAVY ———	Z-P	TPF	5-12-37			4/24/37	

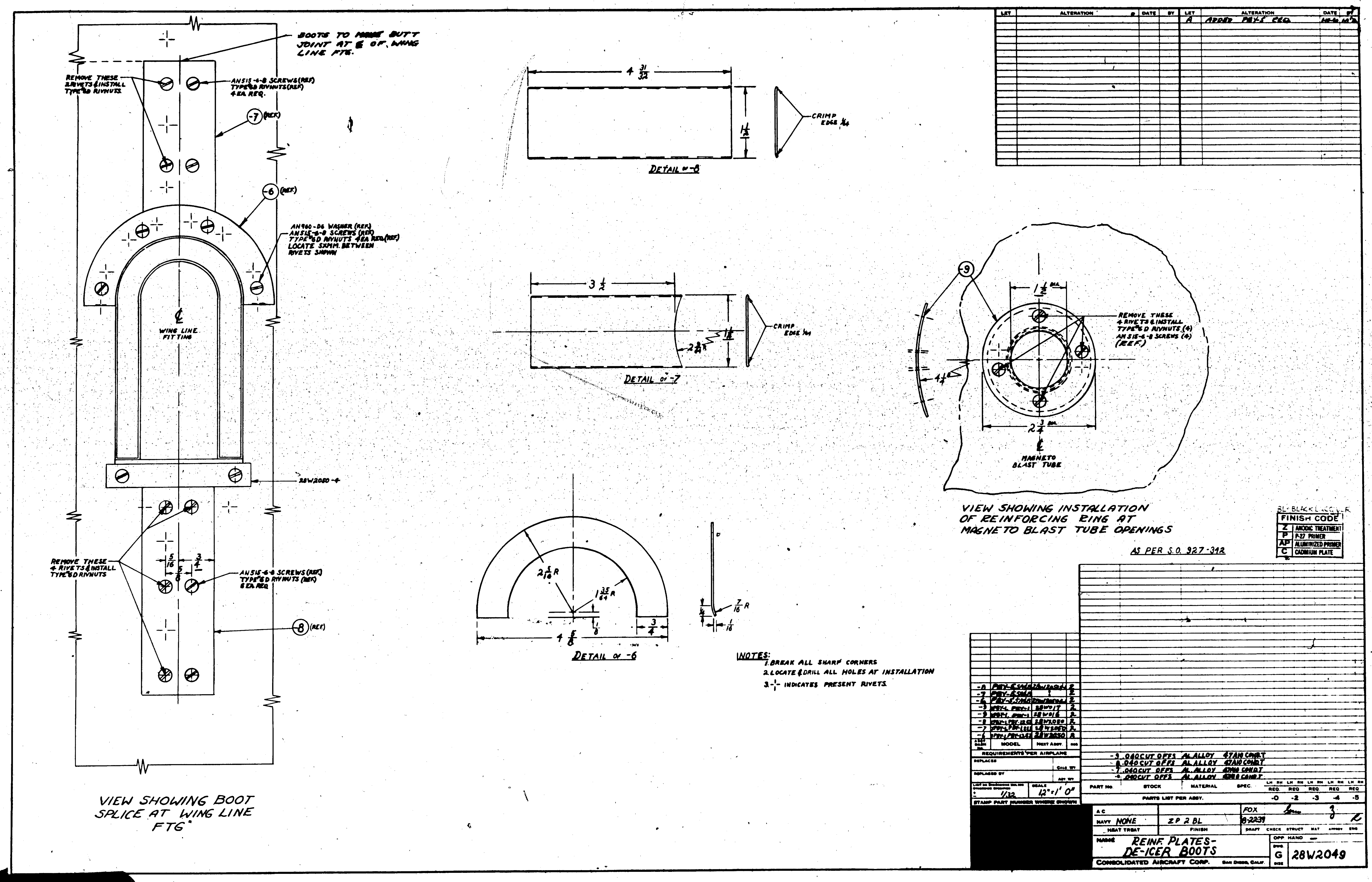
NAME FITT'G.-WING-FRONT SPAR CENTER ATTACH.-GAS TIGHT COR.

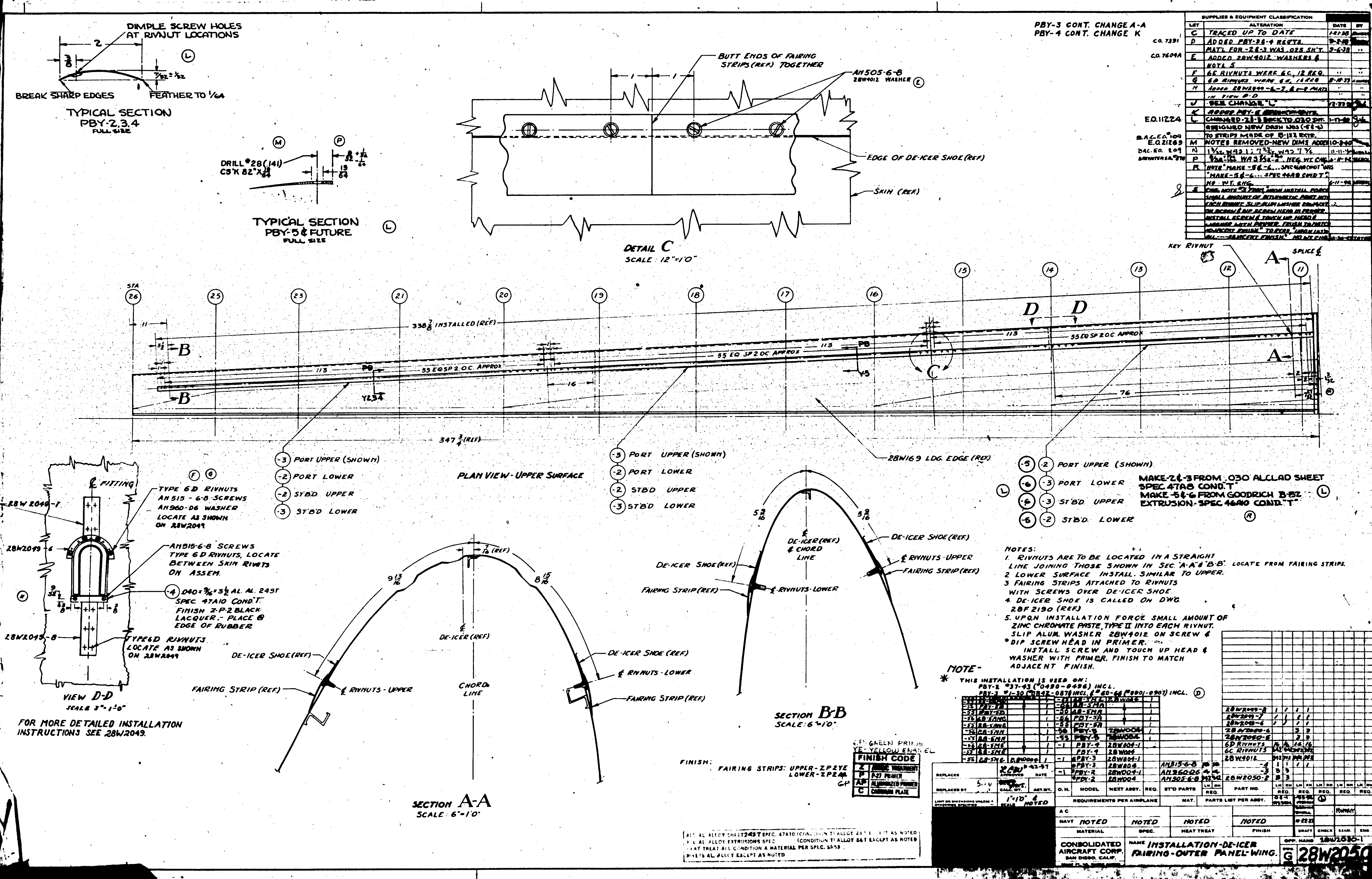
OPP. HAND 28W1051-R

DWG. G 28W105:

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

28W1051


BOOTS TO MAKE BUTT JOINT AT ℄ OF WING LINE FTG.
REMOVE THESE 2 RIVETS & INSTALL TYPE "6D RIVNUTS
AN515-6-8 SCREWS (REF) TYPE "6D RIVNUTS (REF) 4 EA. REQ.
-7 (REF)
-6 (REF)
AN960-D6 WASHER (REF) AN515-6-8 SCREWS (REF) TYPE "6D RIVNUTS 4 EA REQ. (REF) LOCATE 5 XMM. BETWEEN RIVETS SHOWN
℄ WING LINE FITTING
28W2050-4
REMOVE THESE 4 RIVETS & INSTALL TYPE "6D RIVNUTS
AN515-6-8 SCREWS (REF) TYPE "6D RIVNUTS (REF) 6 EA REQ.
-8 (REF)
VIEW SHOWING BOOT SPLICE AT WING LINE FTG.
DETAIL -8
CRIMP EDGE 1/64
DETAIL -7
DETAIL -6
VIEW SHOWING INSTALLATION OF REINFORCING RING AT MAGNETO BLAST TUBE OPENINGS
REMOVE THESE 4 RIVETS & INSTALL TYPE "6D RIVNUTS (4) AN515-6-8 SCREWS (4) (REF.)
℄ MAGNETO BLAST TUBE
AS PER S.O. 927-312
NOTES:
1. BREAK ALL SHARP CORNERS
2. LOCATE & DRILL ALL HOLES AT INSTALLATION
3. -¦- INDICATES PRESENT RIVETS.
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
BL - BLACK LACQUER
A ADDED PBY-5 REQ.
REQUIREMENTS PER AIRPLANE
-9 .040 CUT OFFS AL. ALLOY 47A10 COND.T
-8 .040 CUT OFFS AL. ALLOY 47A10 COND.T
-7 .040 CUT OFFS AL. ALLOY 47A10 COND.T
-6 .040 CUT OFFS AL. ALLOY 47A10 COND.T
PARTS LIST PER ASSY.
SCALE 12" = 1' 0"
NAVY NONE
ZP 2 BL
FOX 8-22-39
NAME REINF. PLATES- DE-ICER BOOTS
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
G 28W2049



DIMPLE SCREW HOLES AT RIVNUT LOCATIONS
BREAK SHARP EDGES
FEATHER TO 1/64
TYPICAL SECTION PBY-2,3,4 FULL SIZE
DRILL #28(.141) CS'K 82°
TYPICAL SECTION PBY-5 & FUTURE FULL SIZE
BUTT ENDS OF FAIRING STRIPS (REF) TOGETHER
AN505-6-8 28W4012 WASHER
EDGE OF DE-ICER SHOE (REF)
SKIN (REF)
DETAIL C SCALE: 12"=1'0"
PBY-3 CONT. CHANGE A-A
PBY-4 CONT. CHANGE K
SUPPLIES & EQUIPMENT CLASSIFICATION
LET / ALTERATION / DATE / BY
C TRACED UP TO DATE
D ADDED PBY-3 & 4 REQ'TS.
MAT'L FOR -2 & -3 WAS .025 SH'T. 9-6-38
E ADDED 28W4012 WASHERS & NOTE 5
F 6E RIVNUTS WERE 6C, 12 REQ.
G 6D RIVNUTS WERE 6C, 16 REQ
H ADDED 28W2049-6,-7, & -8 PARTS IN VIEW D-D
J SEE CHANGE "L"
K ADDED PBY-5 REQUIREMENTS
L CHANGED -2 & -3 BACK TO .030 SHT. ASSIGNED NEW DASH NOS (-5 & -6) TO STRIPS MADE OF B-152 EXTR.
M NOTES REMOVED-NEW DIMS ADDED 10-3-40
N 1 3/32 WAS 1; 7 23/32 WAS 7 3/4 11-11-4
P 9/32 WAS 5/32. NEG WT CHG.
R NOTE "MAKE -5 & -6... SPEC 46A10 COND T" WAS "MAKE -5 & -6... SPEC 46A9 COND T". NO WT. CHG.
C.O. 7391
C.O. 7604A
E.O. 11224
E.O. 21269
KEY RIVNUT
SPLICE ℄
STA 26 25 23 21 20 19 18 17 16 15 14 13 12 11
338 7/8 INSTALLED (REF)
55 EQ SP 2 O.C. APPROX
347 3/4 (REF)
-3 PORT UPPER (SHOWN)
-2 PORT LOWER
-2 STBD UPPER
-3 STBD LOWER
PLAN VIEW - UPPER SURFACE
28W169 LDG. EDGE (REF)
-5 -2 PORT UPPER (SHOWN)
-6 -3 PORT LOWER
-6 -3 STBD UPPER
-5 -2 STBD LOWER
MAKE -2 & -3 FROM .030 ALCLAD SHEET SPEC 47A8 COND. T
MAKE -5 & -6 FROM GOODRICH B-152 EXTRUSION - SPEC 46A10 COND. "T"
℄ FITTING
28W2049-7
28W2049-6
28W2049-8
TYPE 6D RIVNUTS AN515-6-8 SCREWS AN960-06 WASHER LOCATE AS SHOWN ON 28W2049
AN515-6-8 SCREWS TYPE 6D RIVNUTS, LOCATE BETWEEN SKIN RIVETS ON ASSEM.
-4 .040 x 3/4 x 3 1/2 AL. AL. 24ST SPEC. 47A10 COND. T. FINISH Z-P-2 BLACK LACQUER - PLACE @ EDGE OF RUBBER
TYPE 6D RIVNUTS LOCATE AS SHOWN ON 28W2049
VIEW D-D SCALE 3"=1'0"
FOR MORE DETAILED INSTALLATION INSTRUCTIONS SEE 28W2049.
DE-ICER (REF)
DE-ICER SHOE (REF)
FAIRING STRIP (REF)
℄ RIVNUTS - UPPER
℄ RIVNUTS - LOWER
CHORD LINE
SECTION A-A SCALE: 6"=1'0"
DE-ICER (REF) ℄ CHORD LINE
SECTION B-B SCALE: 6"=1'0"
NOTES:
1. RIVNUTS ARE TO BE LOCATED IN A STRAIGHT LINE JOINING THOSE SHOWN IN SEC. A-A & B-B. LOCATE FROM FAIRING STRIPS.
2. LOWER SURFACE INSTALL. SIMILAR TO UPPER.
3. FAIRING STRIPS ATTACHED TO RIVNUTS WITH SCREWS OVER DE-ICER SHOE.
4. DE-ICER SHOE IS CALLED ON DWG 28F2190 (REF)
5. UPON INSTALLATION FORCE SMALL AMOUNT OF ZINC CHROMATE PASTE, TYPE II INTO EACH RIVNUT. SLIP ALUM. WASHER 28W4012 ON SCREW & DIP SCREW HEAD IN PRIMER. INSTALL SCREW AND TOUCH UP HEAD & WASHER WITH PRIMER. FINISH TO MATCH ADJACENT FINISH.
NOTE -
* THIS INSTALLATION IS USED ON: PBY-2 #37-43 (#0490-0496) INCL. PBY-3 #1-30 (#0842-0871) INCL. & #60-66 (#0901-0907) INCL.
FINISH: FAIRING STRIPS: UPPER - ZP2YE LOWER - ZP2
FINISH CODE
AN515-6-8
AN960-06
AN505-6-8
28W2050-2
6D RIVNUTS
6C RIVNUTS
28W4012
O.H. / MODEL / NEXT ASSY. / REQ. / STD PARTS / PART NO.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY.
REPLACES
REPLACED BY
APPROVED
CALC. WT.
SCALE 1"=10" & NOTED
NAVY NOTED NOTED NOTED NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM. ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME INSTALLATION - DE-ICER FAIRING - OUTER PANEL - WING.
OPP. HAND 28W2050-1
G 28W2050

(D) BLACK LACQUER SPEC. L-12A

(F) ARROW OVER FLOAT LOCK (BLACK)

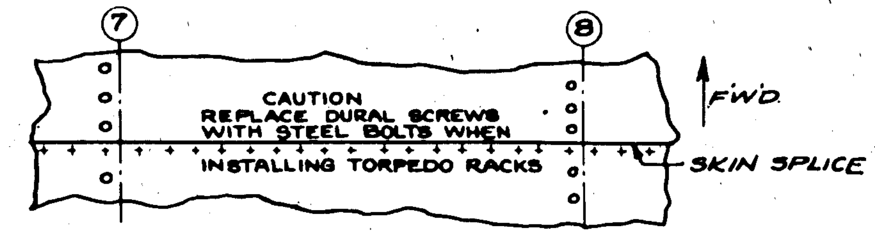
(G) 3/8 DIA x 1/8 WIDE - 5 BLACK CIRCLES & 1 BLACK ARROW AT WING TIP TO DESIGNATE OIL HOLES

(H) STENCIL IN BLACK "DRIFTHOLE"

(J) STENCIL IN BLACK "DRAIN HOLE"

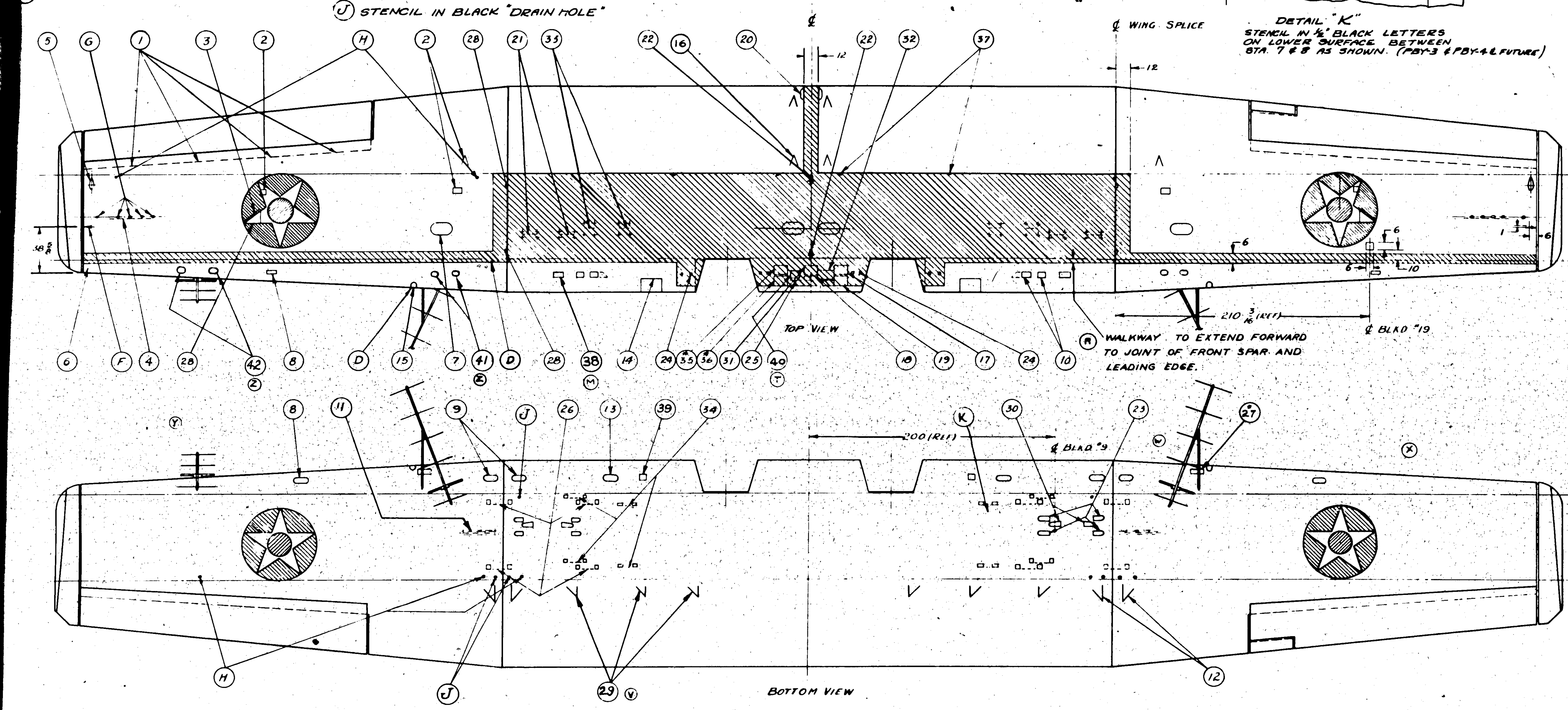
(K) SEE DETAIL

SYMMETRICAL ABOUT ℄ WING EXCEPT FOR DE-ICER AT L.E. CENT. SEC. CENT.



DETAIL "K"
STENCIL IN 1/2" BLACK LETTERS ON LOWER SURFACE BETWEEN STA. 7 & 8 AS SHOWN. (PBY-3 & PBY-4 & FUTURE)

LET	ALTERATION	DATE	BY
L	TRACED UP TO DATE & REDRAWN	1-24-38	Duncan
M	ADDED NOTE #38	5-2-38	
N	ADDED NOTE #33, ITEMS J & K, DETAIL "K" (C.O. 7630A 765R)	4-4-39	
O	ADDED "PBY 2,3 & 4 ONLY" NOTES	1-5-40	Collins
P	ADDED -30 NOTE FOR PBY-5	1-10-40	
Q	ITEM #11 & #20 CHANGED (E.O. 18719)	10-2-40	
R	NOTE ON WALKWAY ADDED (E.O. 19729)	10-3-40	
S	NOTED ITEMS 35 & 36 FOR PBY-2,3 & 4	10-22-40	Hoffman
T	ADDED ITEM 40 (E.O. 28812)	11-28-40	"
U	ADDED PBY-5A + OA-10 REQ. ADDED REFERENCE NOTES	11-6-41	Halsey
V	CH'G'D (29) "ACCESS TO AILERON CONTROL" TO LOWER SURFACE.	2-16-42	
W	ADDED YAGI TO DWG.	"	"
X	REMOVED DIMS. LOCATING INSIGNIA	"	"
Y	REMOVED COLOR SPECS FOR INSIGNIA	"	"
Z	ADDED NOTE (41) "ACCESS ... AERIAL STRUT" & NOTE (42)	"	"
AA	IN NOTE #1 28Z5026 WAS 28Z5036. No W.Chg.	8-5-42	



(U) NOTE 1. SEE 28Z5026 FOR CAMOFLAGE & INSIGNIA ON PBY-5. SEE ALSO MARKING & STENCILING REPORT 28Z5050
2. FOR CAMOFLAGE & INSIGNIA ON PBY-5A SEE 28Z5502

NOTE
INSIGNIA & MARKING TO BE IN ACCORDANCE WITH BUREAU SPEC. SR-2a. SEE UPPER L.H. CORNER FOR DETAIL NOTES

* ON DRAWING DENOTES PBY-2 #37 TO #43 INC. (BUR AERO #0430 TO #0436 INC.) PBY-3 & PBY-4 (CHANGES IN MARKINGS CAUSED BY DE-ICER INSTALLATION)

(S) NOTE: ANTI-ICER TANK & PUMP LOCATED IN HULL ON PBY-5

1. ACCESS DOORS FOR ATTACHMENT OF AILERON HINGE RIBS TO WING SPAR
2. ACCESS DOOR TO AILERON CONTROL
3. ACCESS DOOR TO FLOAT LOCK CONTROL & RECOIL ABSORBER
4. USE INSTRUMENT OIL ONLY
5. ANTENNA MAST
6. JUNCTION BOX
7. ACCESS DOOR TO WING SPLICE
8. ACCESS DOOR TO FLOAT CONTROL GEAR BOX
9. ACCESS DOOR TO FLOAT TORQUE TUBE COUPLING & WING SPLICE
10. BOMB CONTROL DISCONNECTORS (PBY-2) BOMB & TORPEDO CONTROL " (PBY 3,4 & 5)
11. (Q) CAUTION: DISCONNECT ELECTRICAL WIRING, AILERON CONTROL, FLOAT CONTROL, & DEICER TUBES BEFORE REMOVING WING.
12. ACCESS TO WING SPLICE
13. CAUTION: DISCONNECT LANDING LIGHT WIRES BEFORE REMOVING LEADING EDGE
14. (O) ACCESS DOOR TO OIL COOLER (PBY-2,3, AND 4 ONLY)
15. WING LINE FITTING (LOCATE NOTE AFT OF DE-ICER BOOT & ADD ARROW)
16. CAUTION: DISCONNECT AILERON CONTROLS BEFORE REMOVING WING
17. ENGINE TERMINAL BOX & GENERATOR CONTROL (PBY-2 ALL, PBY-3 #1 TO #36 INCL ONLY) ENGINE TERMINAL BOX (ON PBY-3 #37 AND ON PBY-3 SPARES, PBY-4, PBY-4 SPARES & FUTURE)
18. (O) ENGINE CRANK (PBY2,3,+4 ONLY)
19. BATTERY
20. (Q) HAND GRIP (PBY-2-3-4 ONLY)
21. BOMB HOIST
22. HOIST
23. ACCESS TO MK XXXV BOMB RACK
24. WORK PLATFORM SUPPORT
25. CAUTION: DISCONNECT ELECTRICAL WIRING, CONTROLS, ETC. BEFORE REMOVING WING.
26. ATTACH BOMB LOADING PLATFORM
27. ACCESS DOOR TO WING LINE FITTING (LOCATE NOTE INB'D OF DOOR & AFT OF DE-ICER BOOT *) (O)
28. PANEL HOIST
29. ACCESS TO AILERON CONTROL INSPECTION
30. (P) HOIST CABLE & ARMING WIRE (FOR PBY-2,3,4) ARMING WIRE (FOR PBY-5 & FUTURE)
31. JUNCTION BOX
32. ACCESS TO DE-ICER DISTRIB. VALVE (PBY-2 SHIPS #37 TO #43 INCL. & ALL PBY-3 & PBY-4 & FUTURE) *
33. TORPEDO HOIST (PBY-3,4-4 & FUTURE)
34. ATTACH. TORPEDO LOADING PLATFORM (PBY-3 & -4 FUTURE)
35. * PROP ANTI-ICER TANK } PBY-2,3 & 4 (S)
36. * PROP ANTI-ICER PUMP }
37. ENGINE HOIST ANCHORAGE. OMIT WASHER WHEN USING HOIST
38. (M) JUNCTION BOX - PBY-3 & 4 & FUTURE
39. OIL COOLER DRAIN PBY-2,3, AND 4 ONLY.
40. (T) D.C. GENERATOR JUNCTION {LOCATE CENTRALLY ON DOOR}
41. (Z) ACCESS DOOR TO RECEIVER AERIAL STRUT. (PBY-5 & 5A)
42. ACCESS DOOR TO TRANSMITTER AERIAL STRUT.

STENCIL 23, 26, 30, & 34 IN 1/2" BLACK LETTERS

STENCIL 1 TO 16 INCL IN 1" BLACK LETTERS ALSO 20, 27, & 29, 38

STENCIL 17 & 19 IN 1" WHITE LETTERS ALSO 21, 22, 24, 28, 33, 35.

STENCIL -18, -25, 31 & 37 IN 1/2" LETTERS & 40 IN 1" BLACK OR WHITE LETTERS USE PROPER COLORS TO CONTRAST CHEVRON COLORS. (T)

NOTE- LOCATE MARKING ON LEADING EDGES TO CLEAR DE-ICER BOOTS

C 70496, 77713 & 88476 ONLY
C 70496 - 91876 #1 TO 535

MODEL	NEXT ASSY
PBY-5A	28W4001
PBY-5	28W4001
PBY-4	28W4001
PBY-3	28W3001
PBY-2	28W2001

REPLACES 28W2192 OF 4-29-37 BY SMALL — APPROVED 1-24-38 — SCALE 1/4" = 1'-0"

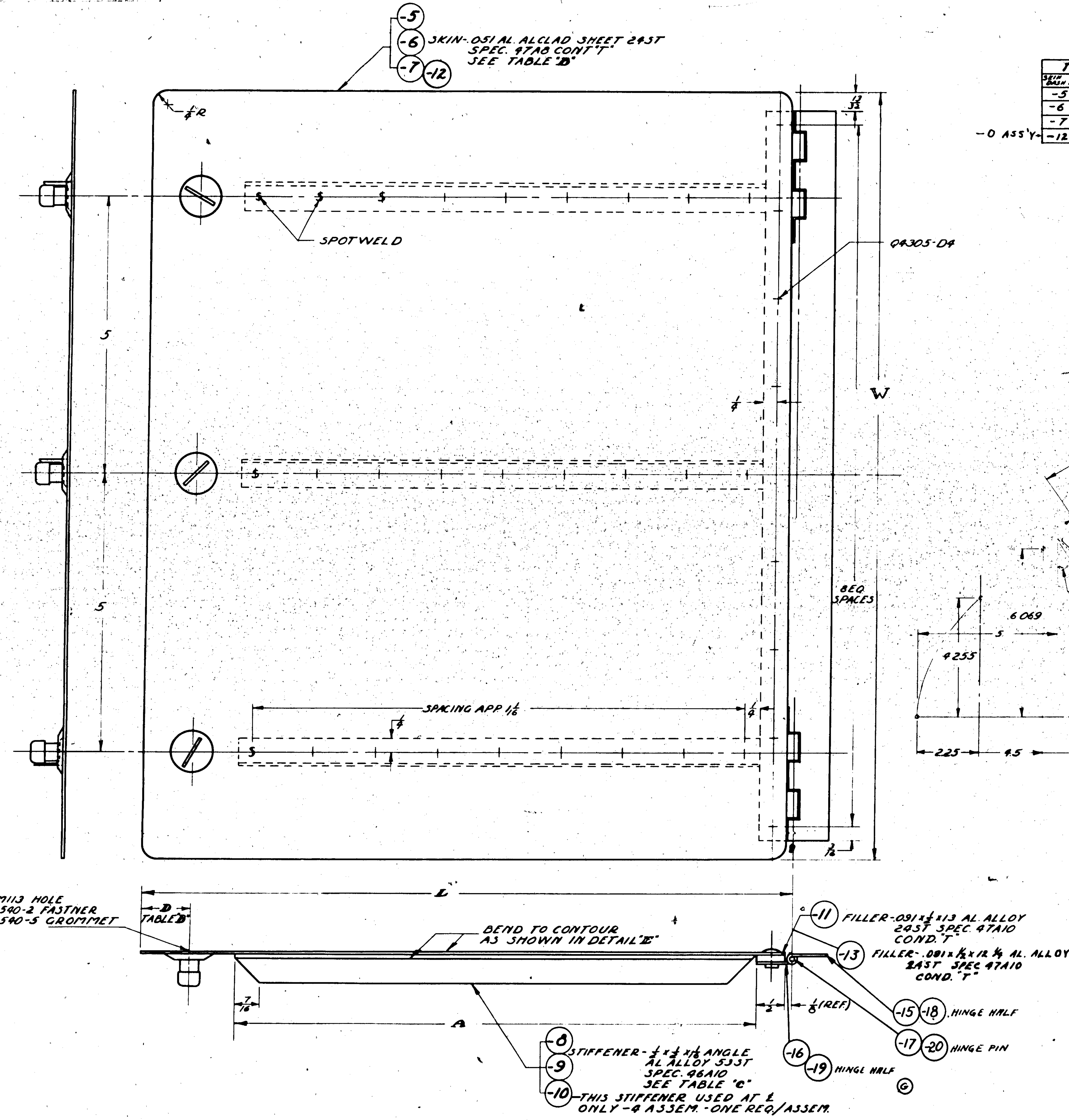
MATERIAL: NOTED — SPEC: NOTED — HEAT TREAT: NONE — FINISH: NOTED

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: INSIGNIA & MARKING WING

DWG. G 28W2192 — R

28W2192



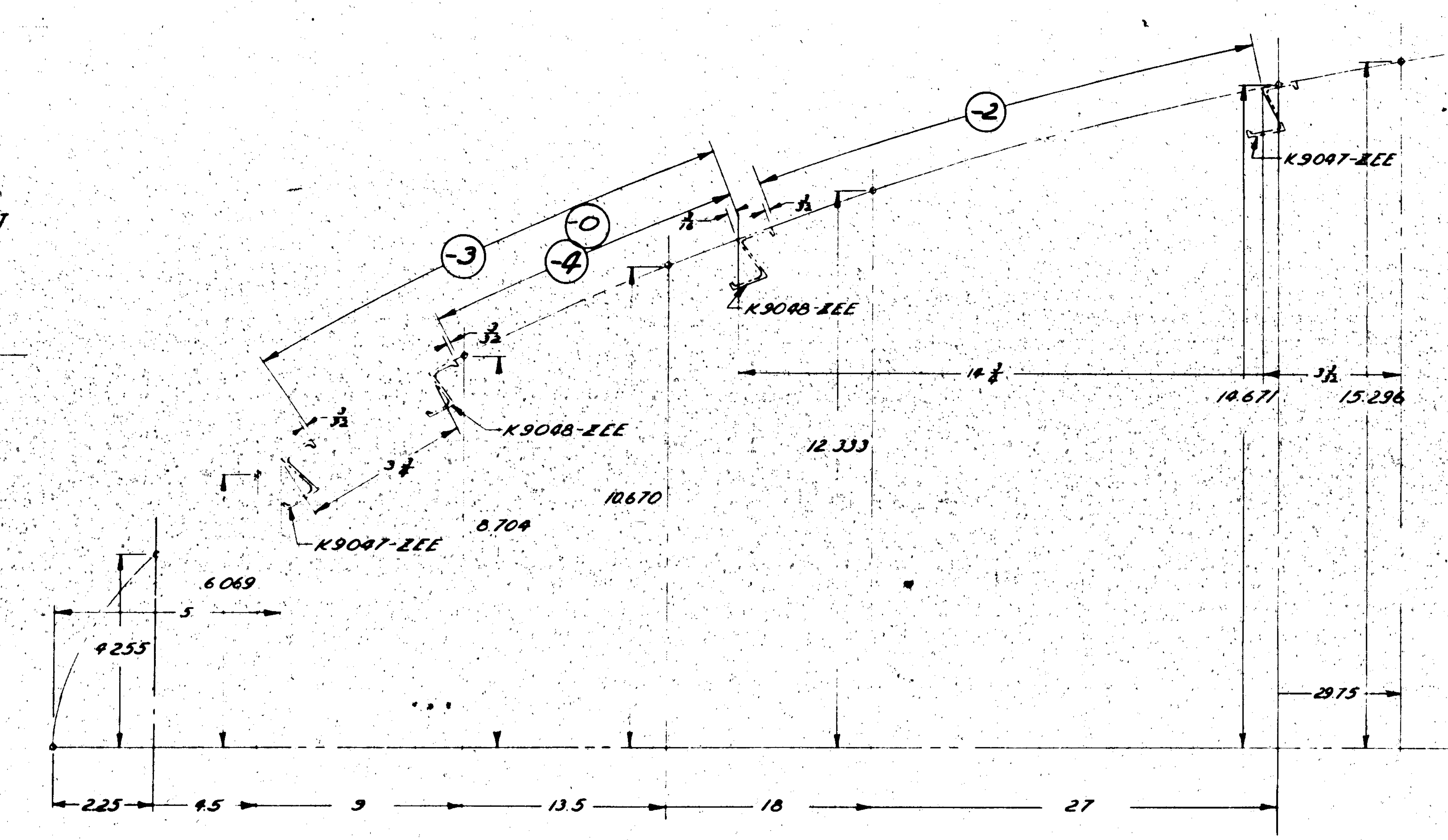
-0 ASS'Y → -12

TABLE "B"			
SKIN DASH NO	DIM. L	DIM. D	DIM. W
-5	11 3/8	11/16	13 1/2
-6	10 1/2	7/8	13 11/16
-7	6 13/16	7/8	13 11/16
-12	6 13/16	7/8	12 11/16

TABLE "C"	
STIFFENER DASH NO.	DIM. A
-8	9 1/8
-9	8 3/16
-10	4 1/2
-10	4 1/2

E.O. A39397

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET	ALTERATION	DATE	BY
D	TRACED	3-28-39	MURRAY
E	ADDED -0 REQ'M'TS	9/18/39	[illegible]
F	AN251-1-X WAS AN251-X	11-4-40	JACOBS
	AN251-1-13 WAS AN251-13	11-4-40	JACOBS
	AN251-1-12 1/4 WAS AN251-12 1/4	11-4-40	JACOBS
G	ADDED -15, -16, -17 TO REPLACE AN 251-12 1/4 & -18, -19, -20 TO REPLACE AN251-13 NO WT. CHG	6-10-42	BENTLEY



DETAIL "E"
CONTOUR OF DOORS
SCALE 6" = 1'-0"

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

NOTE:- FINISH ASSEMBLIES
Z-P-ON EXTERIOR SURFACE
Z-P-2 ACID PROOF BLACK ON INTERIOR SURFACE

O.H.	MODEL	NEXT ASSY.	RFL
-2	PBY-5A	28W3017	3
-3	PBY-5A	28W3017	2
-2	PBY-5B	28W3503	3
-3	PBY-5B	28W3503	2

FOR FURTHER RELEASES CALL RELEASE GROUP

O.H.	MODEL	NEXT ASSY.	RFL
-3	PBY-5	28W3017	2
-2	PBY-5	28W3017	3
-0	PBY-2	28W2153	1
-4	PBY-4	28W3017-200	
-3	PBY-4	28W3017-200	
-2	PBY-4	28W3017-200	

REQUIREMENTS PER AIRPLANE

PART NO	STOCK	-0	-2	-3	-4
Q4305-D4					
1Q540-5		3	3	3	3
1Q540-2		3	3	3	3
-20	AN251-1-13 PIN		1	1	1
-19	AN251-H1-13		1	1	1
-18	AN251-H1-13		1	1	1
-17	AN251-H1-12 1/4 PIN	1			
-16	AN251-H1-12 1/4	1			
-13	AN251-H1-12 1/4	1			
-12		1			
-11			1	1	1
-10		1			1
-9				3	
-8			3		
-7					1
-6				1	
-5			1		

MAT — PARTS LIST PER ASSY

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015

APPROVED J.C.W. DATE 3-25-37
CALC. WT. ACT. WT.
SCALE 12" = 1'-0" AND NOTED
AC
NAVY NOTED

MATERIAL	SPEC.	HEAT TREAT	FINISH
NOTED	NOTED	NONE	NOTED

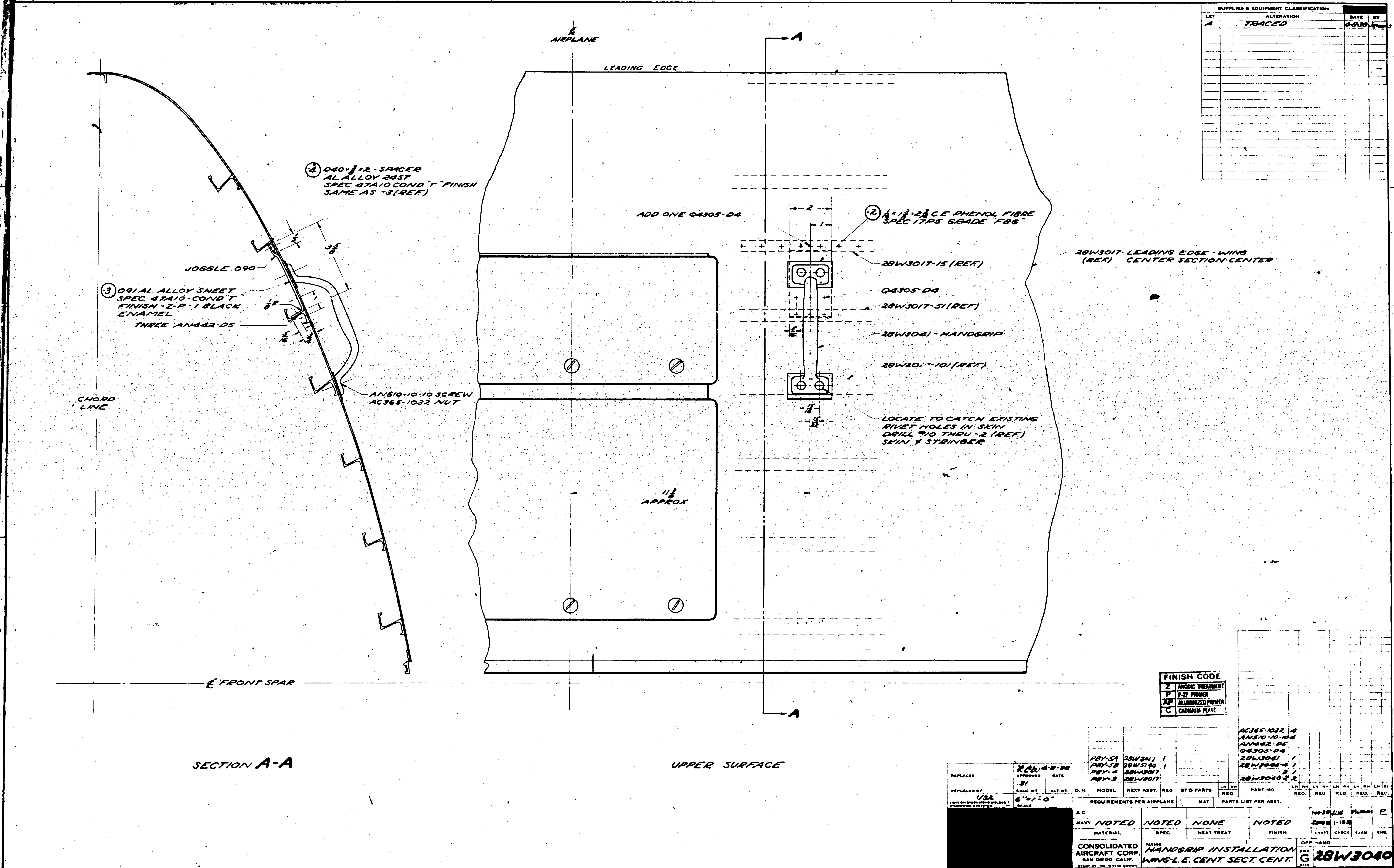
DRAFT 3-26-37 J.C.W. · CHECK · EXAM · ENG R.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

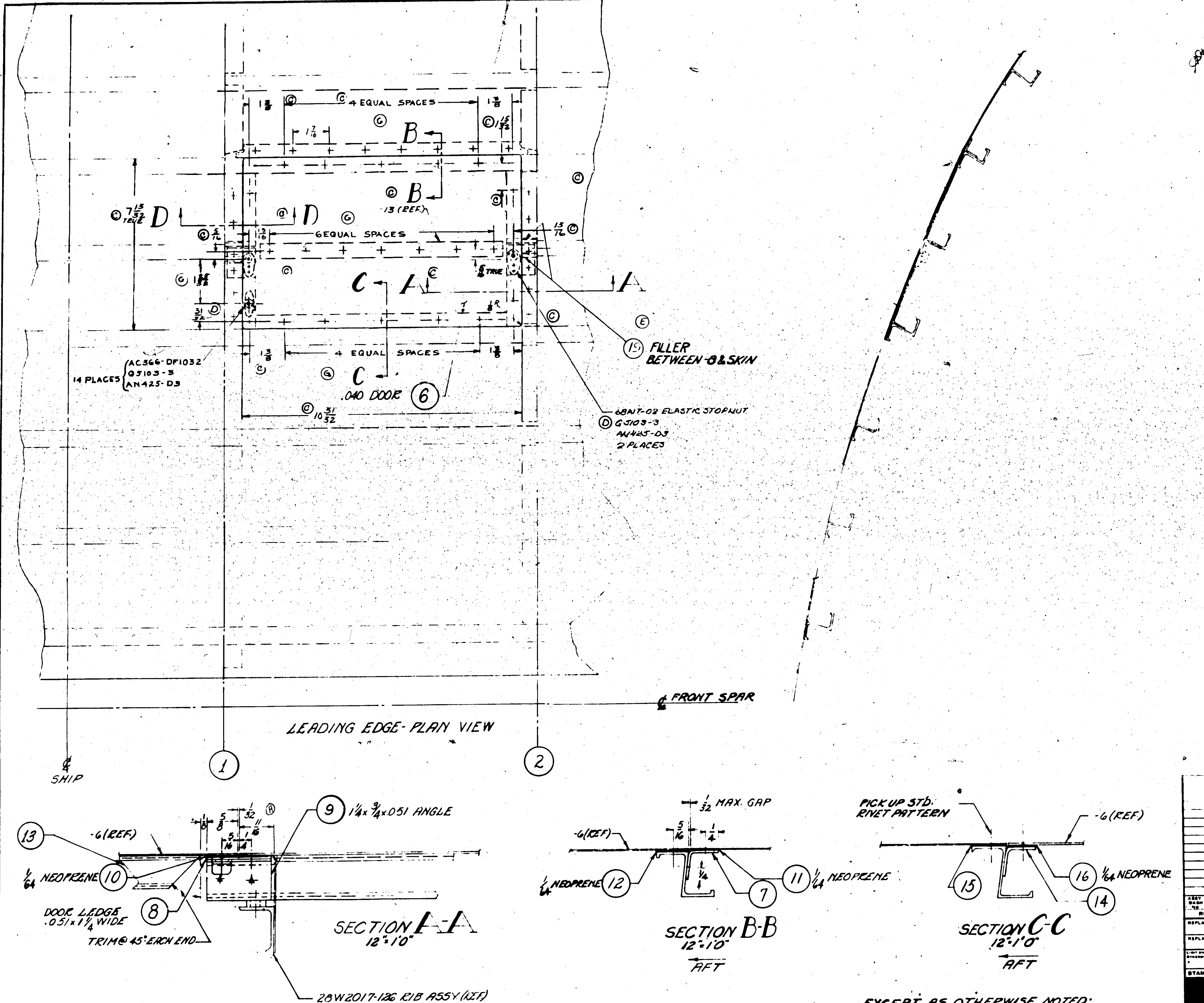
NAME DOORS-WING-CENT. SECT. LEADING EDGE

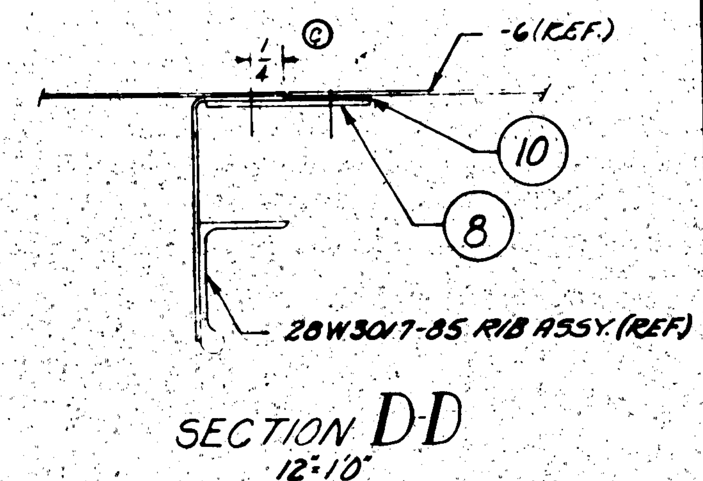
OPP. HAND

DWG. G 28W3030



SUPPLIES & EQUIPMENT CLASSIFICATION
LET ALTERATION DATE BY
A TRACED
℄ AIRPLANE
LEADING EDGE
A
④ .040 x 3/4 x 2 - SPACER
AL. ALLOY 24ST
SPEC. 47A10 COND. "T" FINISH
SAME AS -3 (REF.)
JOGGLE .090
③ .091 AL. ALLOY SHEET
SPEC. 47A10 - COND "T"
FINISH - Z - P - 1 BLACK
ENAMEL
THREE AN442-D5
AN510-10-10 SCREW
AC365-1032 NUT
CHORD LINE
℄ FRONT SPAR
SECTION A-A
ADD ONE Q4305-04
② 1/8 x 1 3/4 x 2 3/4 C.E. PHENOL FIBRE
SPEC. 17P5 GRADE "FBG"
28W3017-15 (REF.)
Q4305-04
28W3017-51 (REF.)
28W3041 - HANDGRIP
28W201 - 101 (REF.)
LOCATE TO CATCH EXISTING
RIVET HOLES IN SKIN
DRILL #10 THRU -2 (REF.)
SKIN & STRINGER
11 3/4 APPROX.
28W3017 - LEADING EDGE - WING
(REF.) CENTER SECTION - CENTER
UPPER SURFACE
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
PBY-5A 28W3417 1
PBY-5B 28W5140 1
PBY-4 28W3017
PBY-3 28W3017
O.H. MODEL NEXT ASSY. REQ
REQUIREMENTS PER AIRPLANE
ST'D PARTS MAT.
AC365-1032 4
AN510-10-10 4
AN442-D5
Q4305-04
28W3041 1
28W3040-4 1
-3 1
28W3040-2 2
PART NO
PARTS LIST PER ASSY.
REPLACES
APPROVED DATE 4-8-38
REPLACED BY
.31 CALC. WT. ACT. WT.
1/32 LIGHT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
6" = 1'-0" SCALE
A C
NAVY NOTED NOTED NONE NOTED
MATERIAL SPEC. HEAT TREAT FINISH
DRAFT CHECK EXAM ENG.
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
NAME HANDGRIP INSTALLATION
WING-L. E. CENT. SECT. CENT.
OPP. HAND
DWG. G SIZE 28W3040





LET	ALTERATION	DATE	BY
G	"4 EQUAL SPACES" WAS 1⅞, 1⅞, 1 25/32 & 1 25/32. "6 EQUAL SPACES" WAS 1 7/16 (6 PLACES) "4 EQUAL SPACES" WAS 1⅞ (4 PLACES) REMOVED DIM. 2⅝. RELOCATED DIM. 1 25/32. DIM 1⅞ WAS 1 7/16. NO WT. CHG	9-11-43	[illegible]

LET	ALTERATION	DATE	BY
A	Changed [illegible]	7-4-40	[illegible]
C	[illegible]		
C	REMD. ¾, 2¼, 3/16 TRUE, 1, 1½, 2¼ TRUE, 2⅛, ½, 5/16. ADDED 5/16, 7 13/32 TRUE, 1⅜, 1⅞, 1 25/32, 1 15/32, 13/16, 1 7/16, 10 31/32, 1 25/32, 2⅜, 31/32, 1		
D	ADDED 68N17-02 (2) IN PLACE OF (2) AC-366-DF1032 14 B/M & ON DWG.	2-14-41	WILSON
E	-19 WAS -17. WT. CHG. NEG	11-[illegible]	MOE
F	IN B/M, FOR -7, REPLACED "K6Z4CX12, AL. ALLOY, SPEC. 46A9 COND. T" WITH "Y-2-A11TX12". REPLACED "K11886X9¾, AL. ALLOY, SPEC. 46A9 COND. T" FOR -13, & "K6Z40X10⅛, AL. ALLOY SPEC. 46A9 COND. T" FOR -14 WITH "Y-36-A4TX9¾" & "Y-2-A11TX10⅛" RESPECTIVELY CHD. N/A FOR 28-5MA, WAS 28W3017.	8-28-[illegible]	[illegible]
	ADDED CALC. WT. 47# WT. CHG. NEG		

FINISH ON -17, -14, -13, -9, -8, -7, -6: ANODIZE, P-27 PRIMER, 2 GREEN PRIME

INSTALL THIS DOOR R.H. SIDE ONLY.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
	28-5AMN	28W5503	1
	PBY-5B		1
	28-5AMC		1
	28-5MN		1
	28-5ME		1
	28-5MC	28W5503	1
	28-5MA	28W5503	1
	PBY-5A	28W3017	1
	PBY-5	28W3017	1

REQUIREMENTS PER AIRPLANE

REPLACES — .47# CALC WT

REPLACED BY — ACT WT

SCALE 6"=1'0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0
68N17-02 ELASTIC STOP NUT				2
AN425-D3				
AC366-DF1032				14
Q5103-3				16
-19	.030 X 1 X 3/4	AL. AL 24ST.	47A10 (COND T)	2
-16	1/64 x ⅝ x 10⅛	NEOPRENE	N11	1
-15	1/64 x 11/16 x 12⅛	NEOPRENE	N11	1
-14	Y-2-A11TX10⅛			1
-13	Y-36-A4TX9¾			1
-12	1/64 x ⅝ x 12	NEOPRENE	N11	1
-11	1/64 x 11/16 x 12	NEOPRENE	N11	1
-10	1/64 x ⅞ x 6⅞	NEOPRENE	N11	2
-9	.051 x 2 x 1¼	AL. ALLOY SHT.	47A10 (COND T)	2
-8	.051 x 1¼ x 6⅞	AL. ALLOY SHT.	47A10 (COND T)	2
-7	Y-2-A11TX12			1
-6	.040 x 9 [illegible] x 11¼	AL. ALLOY SHT.	47A10 (COND T)	1

PARTS LIST PER ASSY. (REQ -0, -2, -3, -4, -5; LH RH)

EXCEPT AS OTHERWISE NOTED:
ALL RIVETS SHOWN ARE ⅛ DIA.
SKIN RIVETS TO BE TYPE Q4305-D4-ALL OTHERS AN442-D4

A C		
NAVY	NOTED	6-13-40
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV

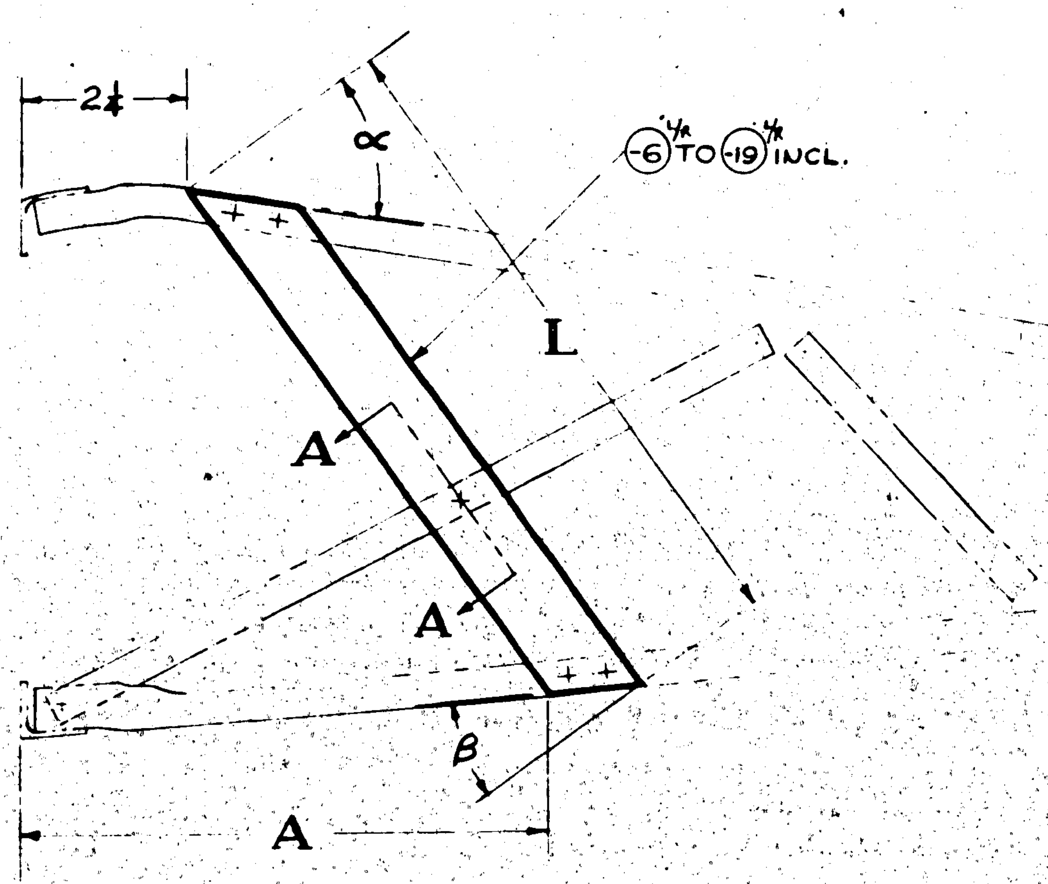
NAME: ACCESS DOOR-LEAD. EDGE- C.R.- CENTER

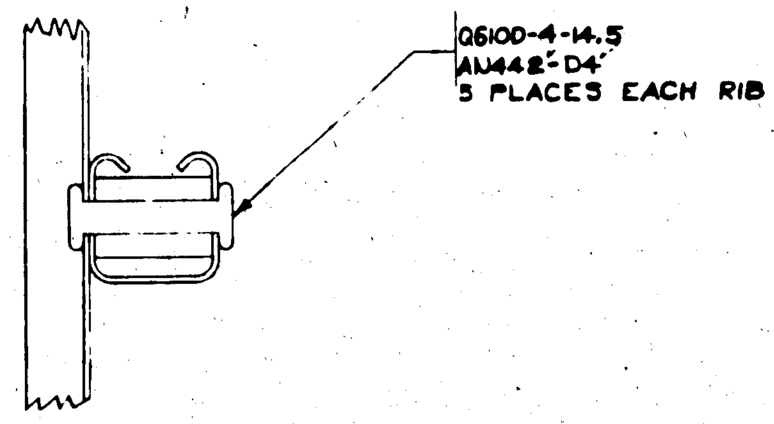
OPP. HAND

DWG G 28W5010

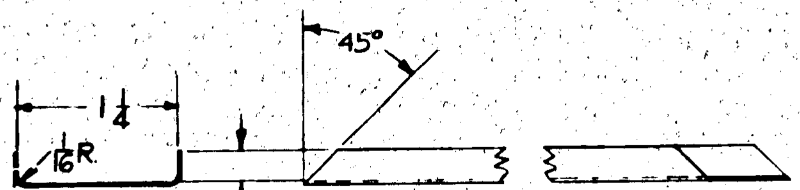
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

28W5010





SECTION A-A TYPICAL
SCALE: 24"=1'0"



DETAIL OF REINFORCEMENT
SCALE: 12"=1'0"

NOTE: INSTALL REINFORCING ANGLES ON OUTBOARD (B) SIDE OF EACH RIB
EACH DASH NUMBER ATTACHES TO RIB AT CORRESPONDING AILERON STATION INDICATED BELOW.

DASH NO.	DIM. A	DIM. L	ANGLE α	ANGLE β	AILERON STA. NO.	AILERON RIB NUMBER (REF) LEFT HAND	REINFORCEMENT	RIGHT HAND	REINFORCEMENT
6 L/R	6 5/16	7 15/16	42°	27°	1.2	28W071-233L	28W5014 -6L	28W071-233R	28W5014-6R
7 L/R	6 9/16	8 1/4	↕	↕	2	071-199L	-7L	071-199R	-7R
8 L/R	6 7/8	8 3/8			3	071-202L	-8L	071-202R	-8R
9 L/R	6 7/8	8 11/16			4	071-248L	-9L	071-248R	-9R
10 L/R	7 1/8	9 3/16			5	071-205L	-10L	071-205R	-10R
11 L/R	7 1/4	9 11/16			6	071-208L	-11L	071-208R	-11R
12 L/R	7 7/16	10			7	2071-5L	-12L	2071-5R	-12R
13 L/R	7 5/8	10 7/16			8	2071-7L	-13L	2071-7R	-13R
14 L/R	7 3/4	10 13/16			9	2071-9L	-14L	2071-9R	-14R
15 L/R	7 7/8	11 1/16			10	071-238L	-15L	071-238R	-15R
16 L/R	8 1/8	11 1/2			11	071-217L	-16L	071-217R	-16R
17 L/R	8 1/4	11 7/8			12	071-220L	-17L	071-220R	-17R
18 L/R	8 3/8	12 1/4			13	2071-1	-18L	071-223	-18R
19 L/R	8 7/8	12 7/16	42°	27°	13.8	28W2071-3	28W5014-19L	28W071-232	28W5014-19R

(A) (B)

FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE

LET	ALTERATION	DATE	BY
A	α(42°) WAS 44°, 44, 44, 43, 42½, 42½, 42½, 42½, 42½, 42, 42, 41, 41 & 40½° FOR -6 TO -19 INCL. RESPECTIVELY & β(27°) WAS 30°, 30, 30, 28½, 28½, 28½, 28, 27½, 27½, 26½, 26, 25½, 25½, & 25° RESPECTIVELY.	4-4-42	
B	NOTE "INSTALL---RIB" WAS "REINFORCEMENT---ONLY." CREATED L/R PARTS FOR -6 TO -19 INC. WT. CHG NEG	1-5-43	

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-R	NOTED	—	1
-L	NOTED	—	1
-R	28-5AMN	28W2010	1
-L	28-5AMN	28W2010	1
-R	PBY-5B	28W2010	1
-L	PBY-5B	28W2010	1
-R	PBY-5A	28W2010	1
-L	PBY-5A	28W2010	1
-R	PBY-5	26W2010	1
-L	PBY-5	28W2010	1

S.O. 955-24-1 (-R, -L NOTED); #53 & ON (PBY-5A)

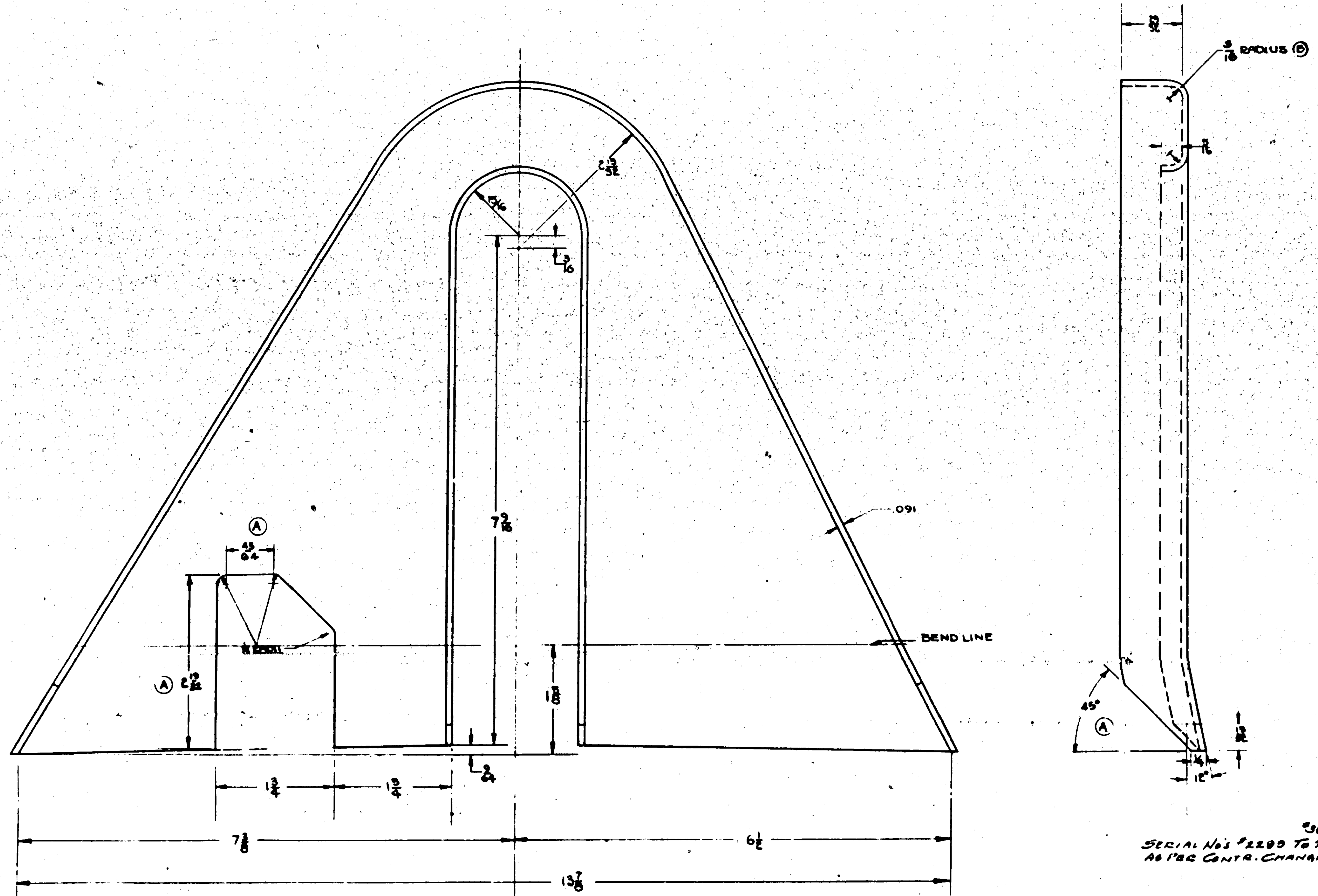
REQUIREMENTS PER AIRPLANE
REPLACES — .450# CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32 & ½°
SCALE ½ & NOTED
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK*	MATERIAL	SPEC
AN442-D4			
Q6100-4-14.5			
-19 L/R	.020 X 2 X 12 5/8	24ST AL.AL.	47A10-T
-18 L/R	12 1/4		
-17 L/R	12		
-16 L/R	11 5/8		
-15 L/R	11 1/4		
-14 L/R	11		
-13 L/R	10 5/8		
-12 L/R	10 1/8		
-11 L/R	9 7/8		
-10 L/R	9 1/2		
-9 L/R	9 1/8		
-8 L/R	8 3/4		
-7 L/R	8 5/8		
-6 L/R	.020 X 2 X 8 1/8	24ST AL.AL.	47A10-T

PARTS LIST PER ASSY. REQ -0, -2, -3, -4, -5 (LH RH); 70 70 / 70 70

AC — NAVY NONE — HEAT TREAT
Z-P-2AP — FINISH
1-16-42 LATIMER — DRAFT; CHECK; STRUCT; MAT'L; APPROV; ENG
OPP HAND 28W5014-R

NAME INSTALLATION-AILERON RIB REINFORCEMENT
DWG SIZE G — 28W5014
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF



LET	ALTERATION	DATE	BY
A	45° WAS ...		
B	3/16 BEND RADIUS WAS 1/8		

NOTE: AFTER FORMING, HEAT TREAT PART AS NOTED -

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

SERIAL NO'S #2289 TO 2428 INCL. AS PER CONTR. CHANGE "B"

ASSY DASH NO.	MODEL	NEXT ASSY	REQ.
R	28-5MC, MA AMC	28W5555	2
L	28-5MC, MA AMC	28W5555	2
-R	PBY-5A	28W5005	2
-L	PBY-5A	28W5005	2
R	PBY-5	28W4005	2
L	PBY-5	28W4005	2
R	PBY-6	28W4005	2
L	PBY-6	28W4005	2

REQUIREMENTS PER AIRPLANE

REPLACES

REPLACED BY

SCALE: FULL

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC
R	.091 x 17 x 17	24 SO DURAL	47A10 A
L	.091 x 17 x 17		

PARTS LIST PER ASSY.

REQ -0 | REQ -2 | REQ -3 | REQ -4 | REQ -5

AC

NAVY 47A-10-T — HEAT TREAT

ZP-2 RED ENAM. — FINISH

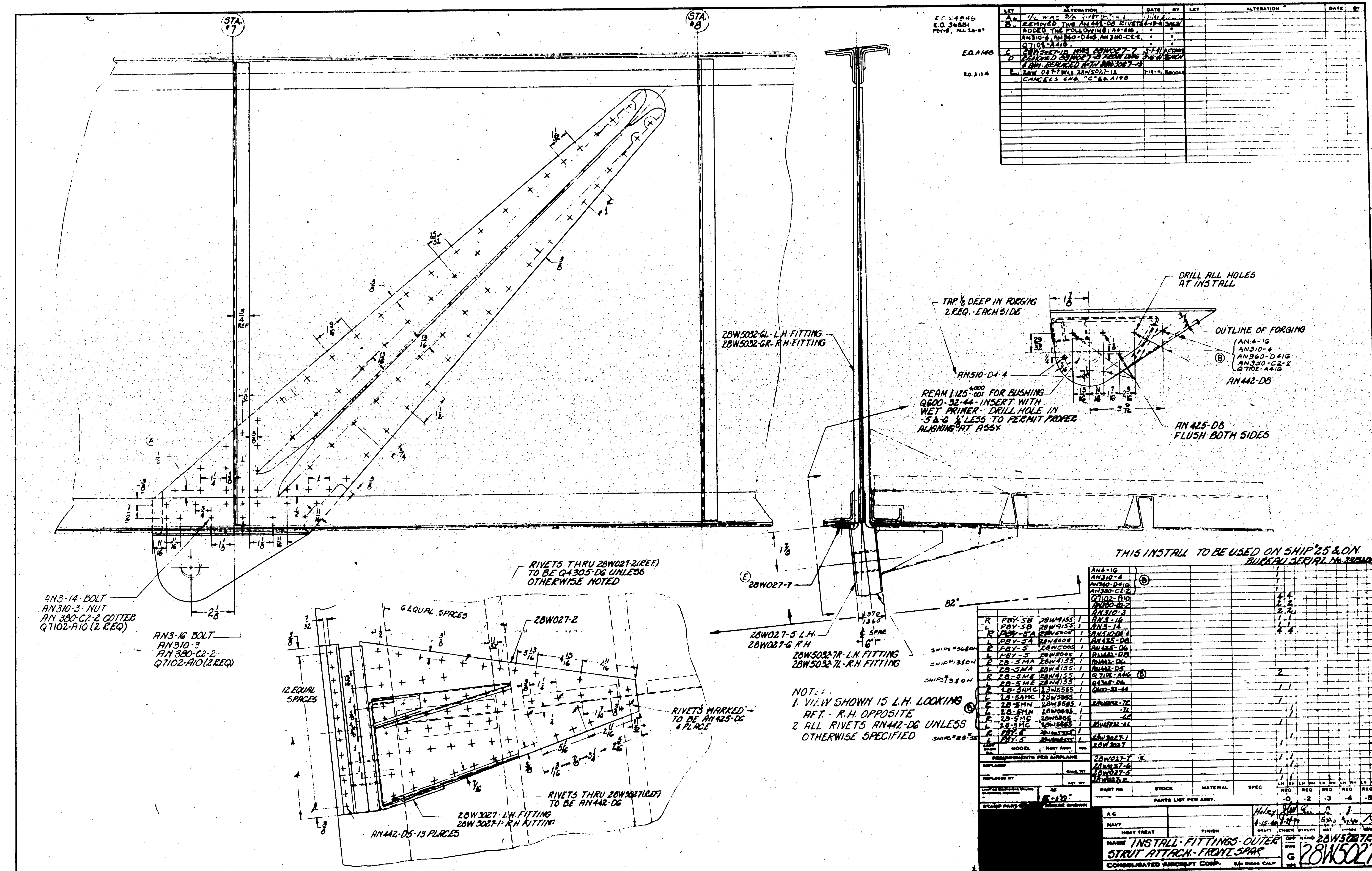
DRAFT | CHECK | STRUCT | MAT | APPROV | ENG

NAME: SPLICE YOKE - STRINGER - CENTER SECTION - WING -

OPP HAND 28W5025-R

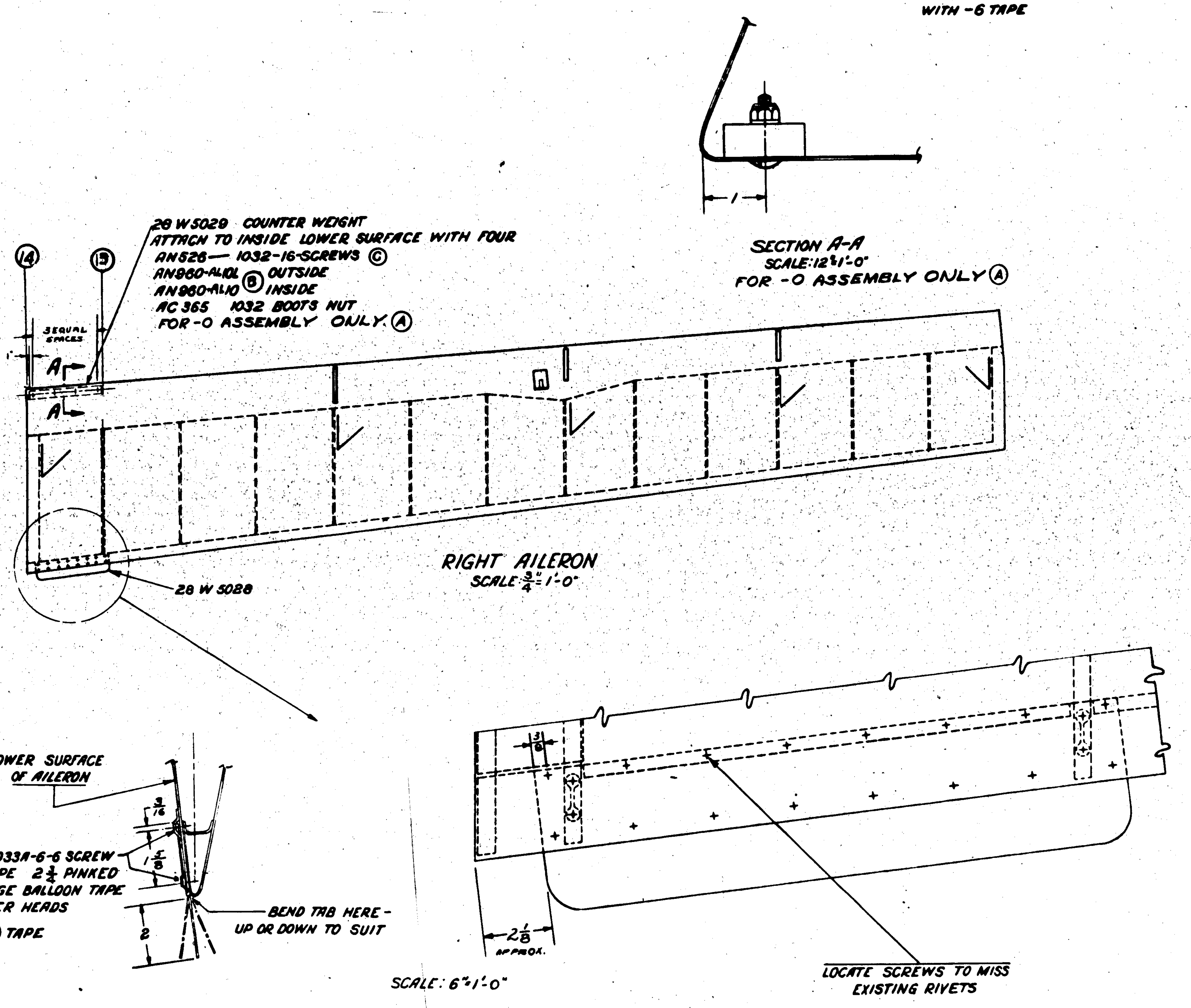
G 28W5025

CONSOLIDATED AIRCRAFT CORP. San Diego, Calif.


STA. #7
STA. #8
DRILL ALL HOLES AT INSTALL
TAP 1/8 DEEP IN FORGING 2 REQ. - EACH SIDE
OUTLINE OF FORGING
AN4-16
AN310-4
AN960-D416
AN380-C2-2
Q7102-A416
AN442-D8
28W5032-6L - L.H. FITTING
28W5032-6R - R.H. FITTING
AN510-D4-4
REAM 1.125 FOR BUSHING Q600-32-44 - INSERT WITH WET PRIMER - DRILL HOLE IN -5 & -6 1/8 LESS TO PERMIT PROPER ALIGNING AT ASSY
AN425-D8 FLUSH BOTH SIDES
THIS INSTALL TO BE USED ON SHIP #25 & ON.
AN3-14 BOLT
AN310-3 NUT
AN 380-C2-2 COTTER
Q7102-A10 (2 REQ)
AN3-16 BOLT
AN310-3
AN 380-C2-2
Q7102-A10 (2 REQ)
RIVETS THRU 28W027-2 (REF.) TO BE Q4305-D6 UNLESS OTHERWISE NOTED
6 EQUAL SPACES
28W027-2
12 EQUAL SPACES
RIVETS MARKED TO BE AN425-D6 4 PLACE
RIVETS THRU 28W5027 (REF.) TO BE AN442-D6
28W5027 - L.H. FITTING
28W5027-1 - R.H. FITTING
AN442-D5 - 13 PLACES
28W027-7
28W027-5 L.H.
28W027-6 R.H.
28W5032-7R - L.H. FITTING
28W5032-7L - R.H. FITTING
82°
NOTES:
1. VIEW SHOWN IS L.H. LOOKING AFT. - R.H. OPPOSITE
2. ALL RIVETS AN442-D6 UNLESS OTHERWISE SPECIFIED
LET
ALTERATION
DATE
BY
CANCELS CHG "C" E.O. A148
REQUIREMENTS PER AIRPLANE
MODEL
PART No
STOCK
MATERIAL
SPEC
PARTS LIST PER ASSY.
HEAT TREAT
FINISH
NAME INSTALL - FITTINGS - OUTER STRUT ATTACH. - FRONT SPAR
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28W5027

LET	ALTERATION	DATE	BY
A	CREATED -2 ASS'Y, ADDED NOTES	9-12-41	[illegible]
B	AN960-AL10 WAS AN960-AL10-1/16		
	AN960-AL10L WAS AN960-AL10L-1/32	9-12-41	[illegible]
D	AN526-1032-16-(SCREWS) WAS		
	AN526-1032-14-(SCREWS)		
	WT. CHG. NEG.	5-12-45	[illegible]

1. ON UNCOVERED AILERON INSTALL. WEIGHT AS SHOWN
2. ON COVERED AILERON SCREW HEAD IS OUTSIDE FABRIC ENVELOPE AND HEADS COVERED WITH -6 TAPE



ψ EFFECTIVE ON ALL UNDELIVERED

THIS DRAWING RUSH RELEASED 8-26-41

ASSY DASH NO	MODEL	NEXT ASSY	NO
-2	PBY-5B	28W011-55	1
-0	28-5AMN	28W011-17	1
-0	PBY-5A	28W011-17	1
-0	PBY-5 ψ	28W011-17	1

REQUIREMENTS PER AIRPLANE

REPLACES — 1.47# CALC WT.

REPLACED BY — ACT WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: ± 1/32 — SCALE: NOTED

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	-0 REQ	-2 REQ	-3 REQ	-4 REQ	-5 REQ
AC365-1032				4				
AN960-AL10				4				
AN960-AL10L				4				
AN526-1032-16				4				
Q5033A-6-6				16	16			
28W5029				1				
28W5028				1	1			
4	2 3/4 X 20	BALLOON TAPE	27 T14	2	1			

PARTS LIST PER ASSY.

A C		DRAFT	CHECK	STRUCT	WAT	APPROV	ENG
NAVY	TOUCH UP AS REQ'D	JANIS 4-8-41	4-10-41	8-26-41			
HEAT TREAT	FINISH						

NAME INSTALLATION-FIXED TAB-WING-RIGHT AILERON

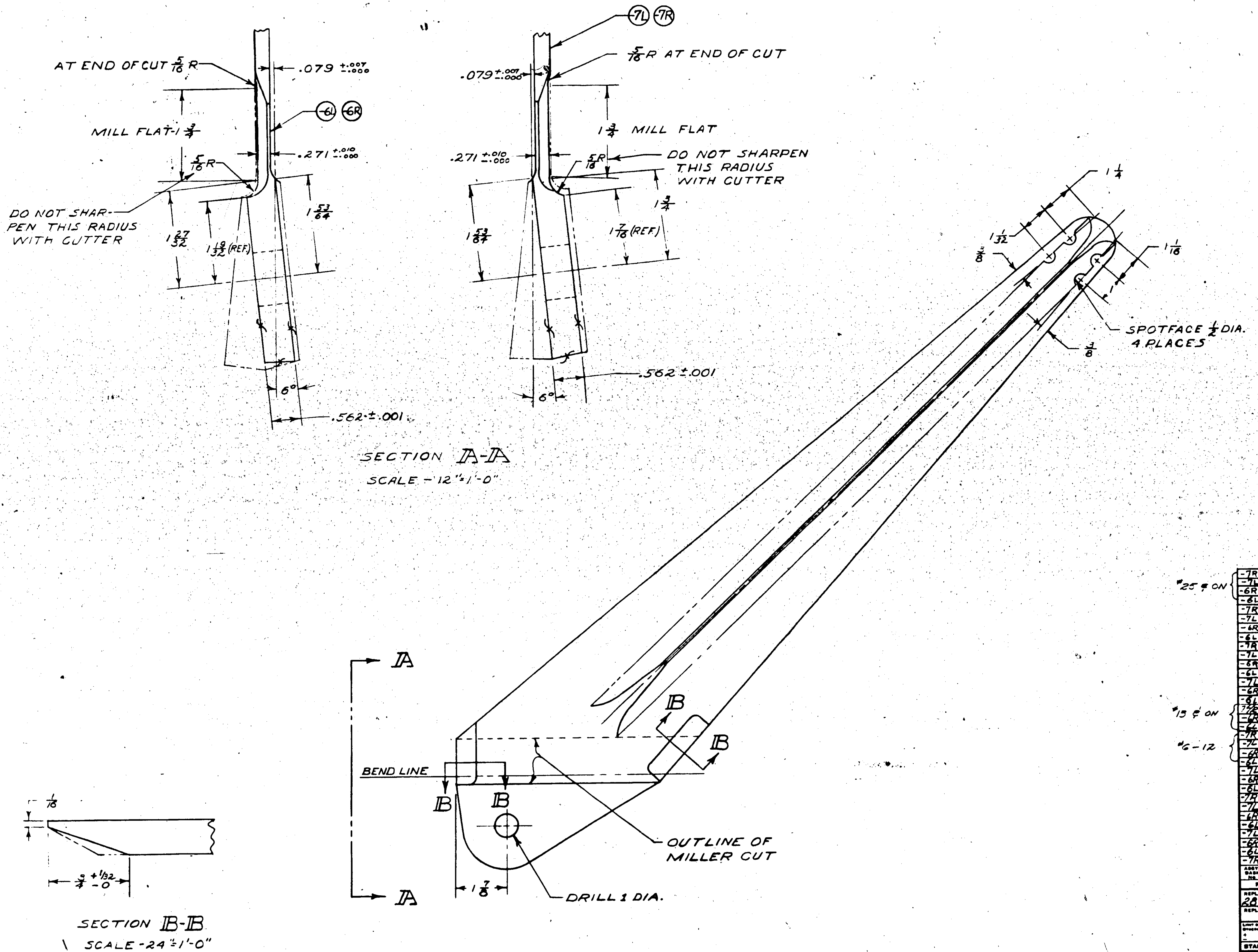
OPP HAND —

DWG SIZE G — 28W5030

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

R 28W5030

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
				H	TRACED - NO WT. CHG.	10-9	



ASSY. DASH No	MODEL	NEXT ASSY.	REQ.
-7R	PBY-5	28W5027L	1
-7L	⌇	28W5027R	1
-6R	⌇	28W5027R	1
-6L	PBY-5	28W5027L	1
-7R	PBY-5A	28W5027	1
-7L	⌇	⌇	1
-6R			1
-6L	PBY-5A	28W5027	1
-7R	PBY-5B	28W5027	1
-7L	⌇	⌇	1
-6R			1
-6L	PBY-5B	28W5027	1
-7L	28-5MNE AMN	28W5027	1 EA
-6R	⌇	⌇	1 EA
-6L	28-5MNE AMN	28W5027	1 EA
-7R	28-5ME	28W5027	1 EA
-6R	⌇	⌇	1
-6L	28-5ME	28W5027	1
-7R	28-5ME	28W5159	1
-7L	⌇	⌇	1
-6R			1
-6L	28-5ME	28W5159	1
-7L	28-5MCE AMC	28W5027	1 EA
-6R	⌇	⌇	1 EA
-6L	28-5MCE AMC	28W5027	1 EA
-7R	28-5MA	28W5159	1
-7L	28-5MA	28W5159	1
-6R	28-5MA	28W5159	1
-6L	28-5MA	28W5159	1
-7L	28-5MA	28W5027	1
-6R	28-5MA	28W5027	1
-6L	28-5MA	28W5027	1
-7R	ALL 28-5 3	28W5027	1 EA.

#25 ⊄ ON (-7R to -6L); #13 ⊄ ON; #6-12

REQUIREMENTS PER AIRPLANE

REPLACES 28W5032 8/10/40 — 4.79 CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± — SCALE 6"/1'-0" & NOTED
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.
-7R	MAKE FROM	28W5026-8R	
-7L	⌇	28W5026-8L	
-6R	⌇	28W5026-8R	
-6L	MAKE FROM	28W5026-8L	

PARTS LIST PER ASSY. — LH RH REQ. -0, -2, -3, -4, -5

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

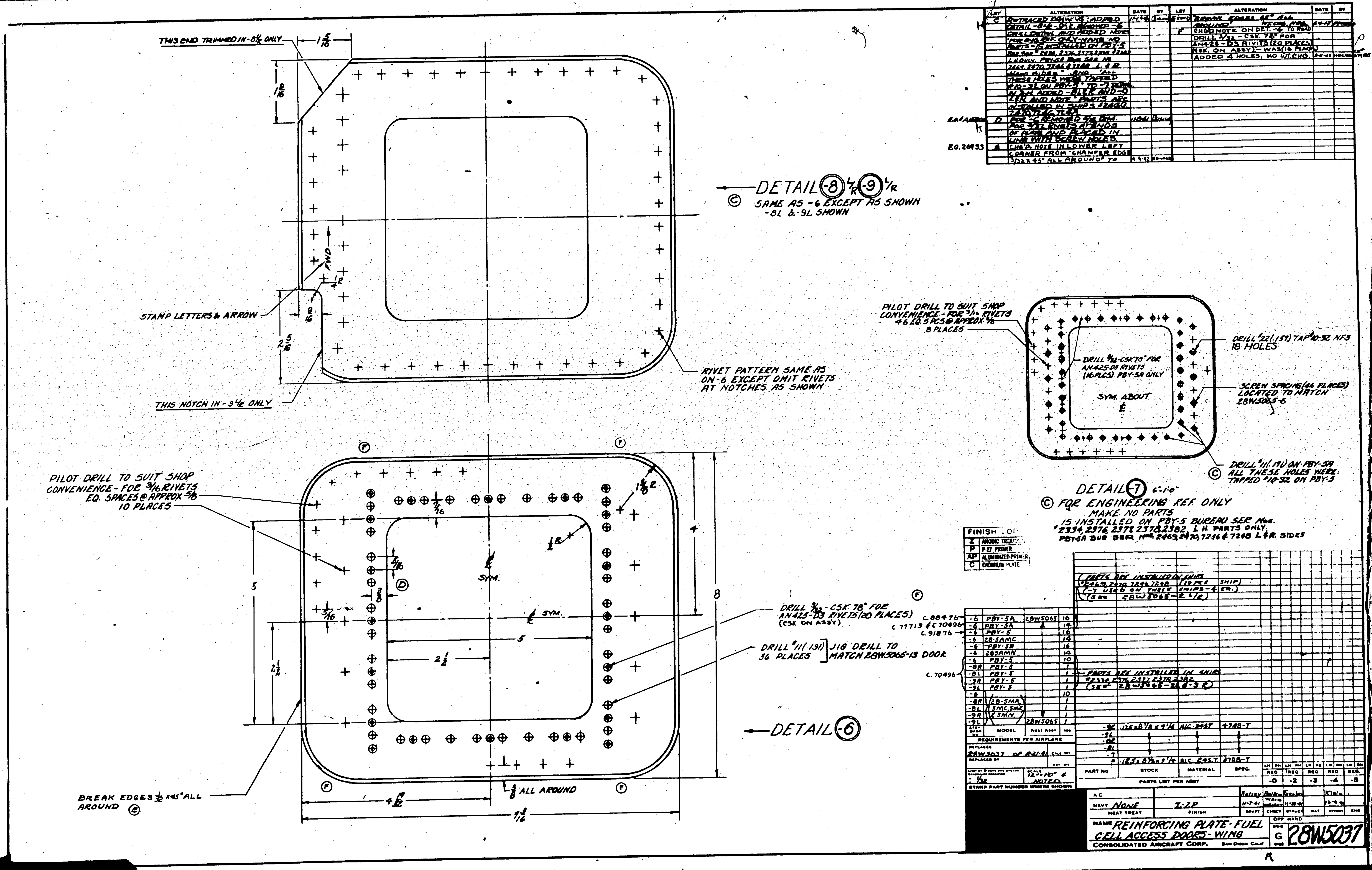
A C		DRAFT	CHECK	STRUCT	MAT.	APPROV.	ENG.
NAVY NONE	Z-P	HALSEY 5/14/40	Hs. 5/24/40	BRISW	5/29/40	5/29/40	
HEAT TREAT	FINISH						

NAME FITTING - WING - OUTER FRONT STRUT ATTACH - MACHINED.

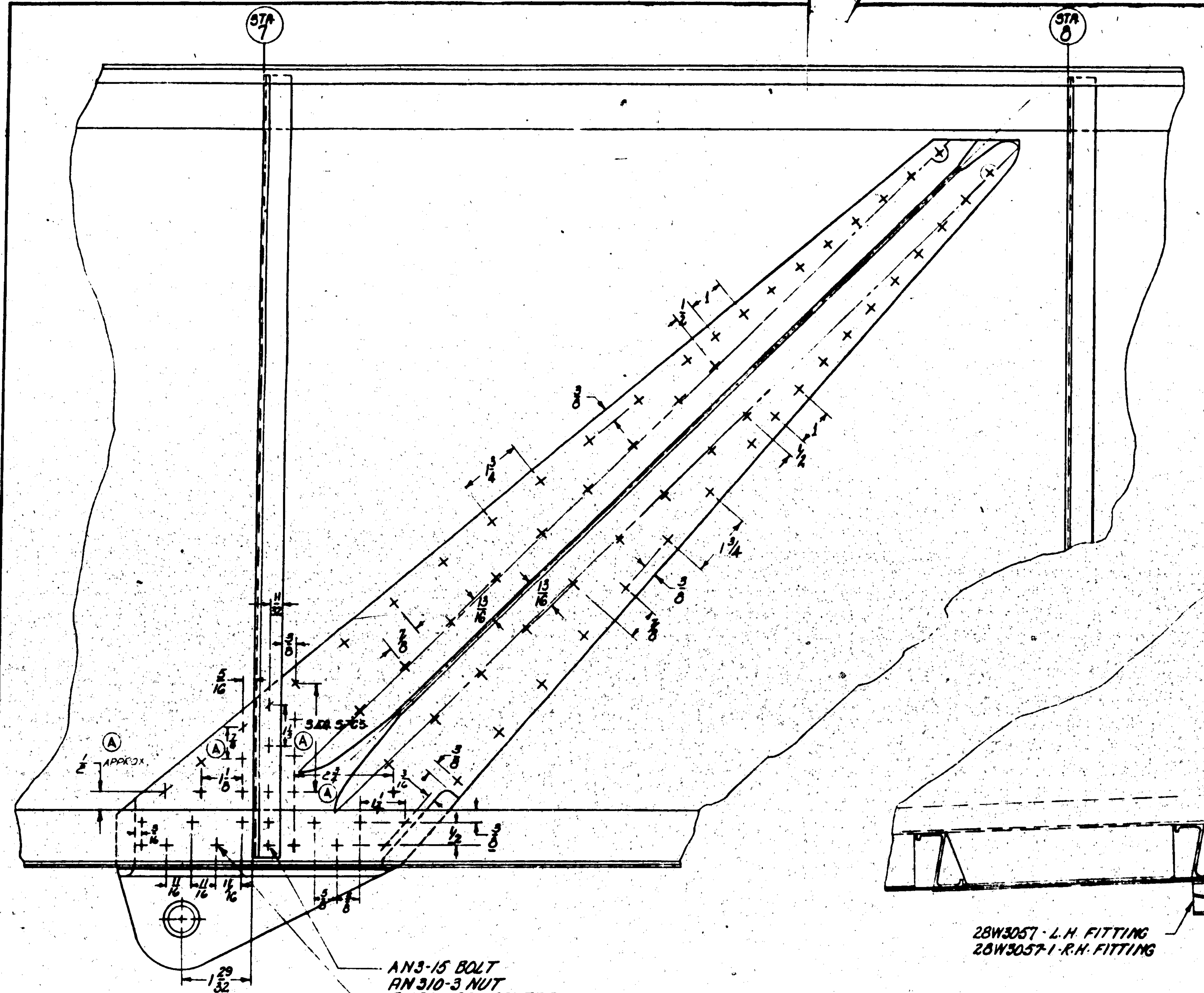
OPP. HAND — DWG. SIZE G — 28W5032

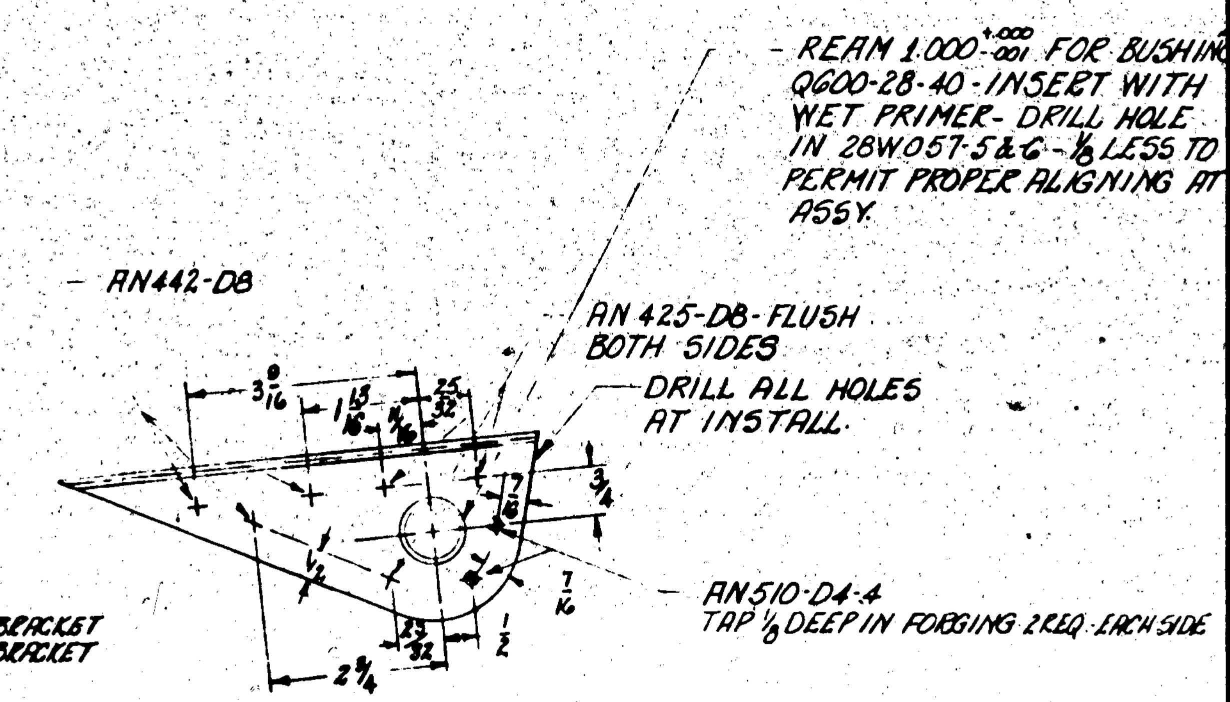
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

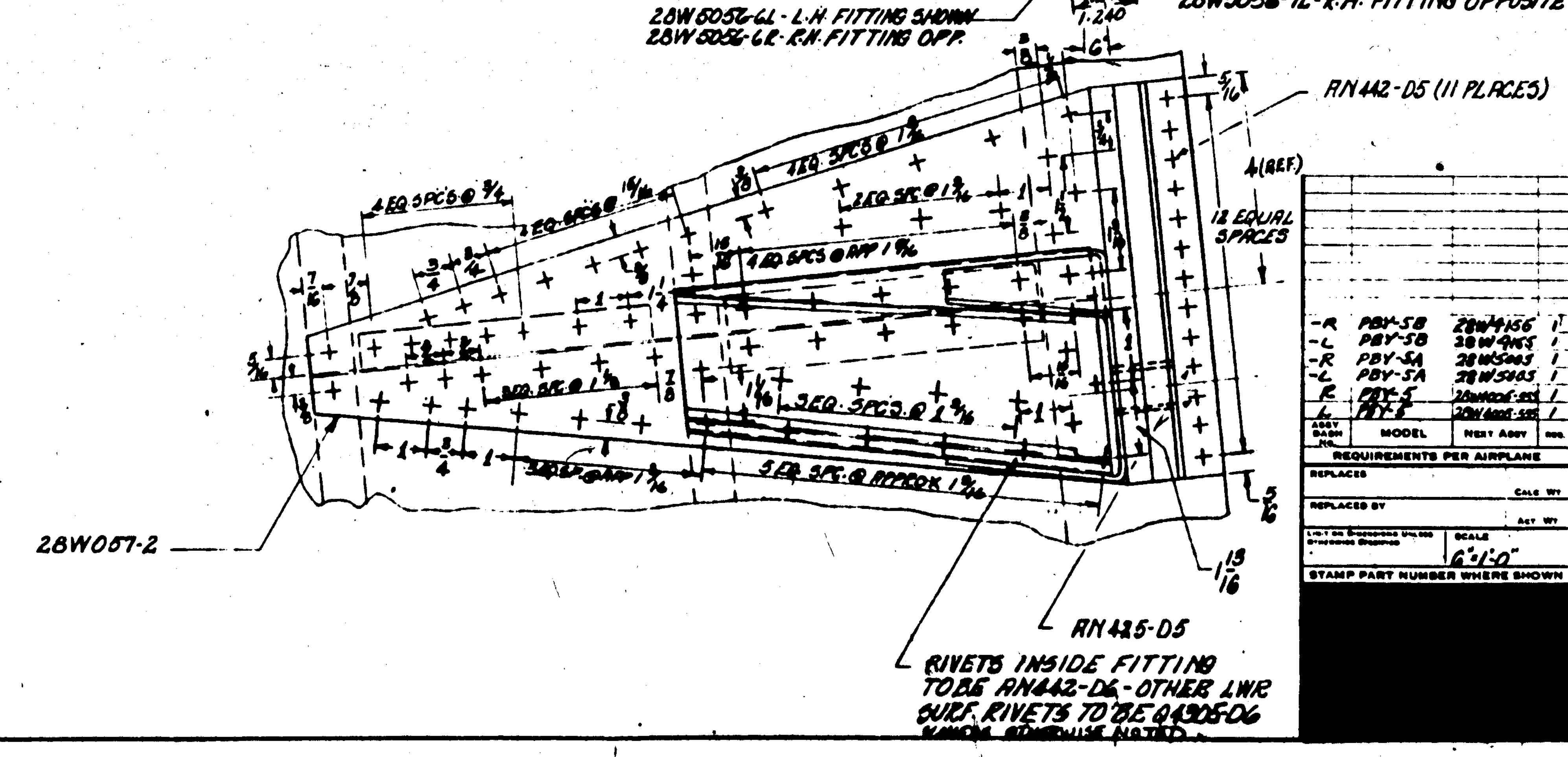
R 28W5032



THIS END TRIMMED IN -8L ONLY
STAMP LETTERS & ARROW
THIS NOTCH IN -9L ONLY
FWD
RIVET PATTERN SAME AS ON -6 EXCEPT OMIT RIVETS AT NOTCHES AS SHOWN
DETAIL -8 L/R -9 L/R
SAME AS -6 EXCEPT AS SHOWN -8L & -9L SHOWN
PILOT DRILL TO SUIT SHOP CONVENIENCE - FOR 3/16 RIVETS EQ. SPACES @ APPROX 5/8 10 PLACES
BREAK EDGES 1/32 X45° ALL AROUND
ALL AROUND
SYM.
DRILL 3/32 - CSK 78° FOR AN425-D3 RIVETS (20 PLACES) (CSK ON ASSY)
DRILL #11 (.191) 36 PLACES JIG DRILL TO MATCH 28W5065-13 DOOR
DETAIL -6
PILOT DRILL TO SUIT SHOP CONVENIENCE - FOR 3/16 RIVETS 46 EQ. SPCS @ APPROX 5/8 8 PLACES
DRILL 3/32 - CSK 78° FOR AN425-D3 RIVETS (16 PLCS) PBY-5A ONLY
SYM. ABOUT ℄
DRILL #22 (.157) TAP #10-32 NF3 18 HOLES
SCREW SPACING (46 PLACES) LOCATED TO MATCH 28W5065-6
DRILL #11 (.191) ON PBY-5A ALL THESE HOLES WERE TAPPED #10-32 ON PBY-5
DETAIL -7 6"-1-0"
FOR ENGINEERING REF. ONLY
MAKE NO PARTS
IS INSTALLED ON PBY-5 BUREAU SER. Nos. #2334, 2376, 2377, 2378, 2382 L.H. PARTS ONLY. PBY-5A BUR SER Nos. 2469, 2470, 7246 & 7248 L & R SIDES
FINISH
Z ANODIC TREAT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY
NAME REINFORCING PLATE - FUEL CELL ACCESS DOORS - WING
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
28W5037







E.O. 24849

LET	ALTERATION	DATE	BY	LET	ALTERATION	DATE	BY
A4	C.M. 1/8 WAS 1/4 - 3/8 WAS 1/2 APPROX. WAS 3/8 - ADDED 2 1/8 DIM & RIVET	11-6-40					

THIS INSTALL. TO BE USED ON SHIPS # 25 & ON
BUREAU SERIAL No. 2313 & ON

NOTE:
1. VIEW SHOWN IS L.H. LOOKING AFT
2. RIVETS ARE AN442-D6 UNLESS OTHERWISE SPECIFIED

ASSY DASH No.	MODEL	NEXT ASSY	REQ.
-R	PBY-5B	28W4156	1
-L	PBY-5B	28W4155	1
-R	PBY-5A	28W5005	1
-L	PBY-5A	28W5005	1
R	PBY-5	28W6006-555	1
L	PBY-5	28W6006-555	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT
REPLACED BY — ACT WT
SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH	RH
Q7102-A10				4	4
AN510-D4-4				4	4
AN960-10				2	2
AN380-C2-2				2	2
AN310-3				2	2
AN3-15				1	1
AN3-13				1	1
AN442-D8					
AN442-D5					
AN425-D5					
AN43[illegible] D8					
AN442-D6					
Q4305-D6					
Q600-28-40				1	1
28W5056-7R				1	
-7L					1
-6R					1
28W5056-6L				1	
28W3057-1					1
28W3057				1	
28W057-7				1	1
28W057-6					1
28W057-5				1	
28W057-2				1	1

PARTS LIST PER ASSY.

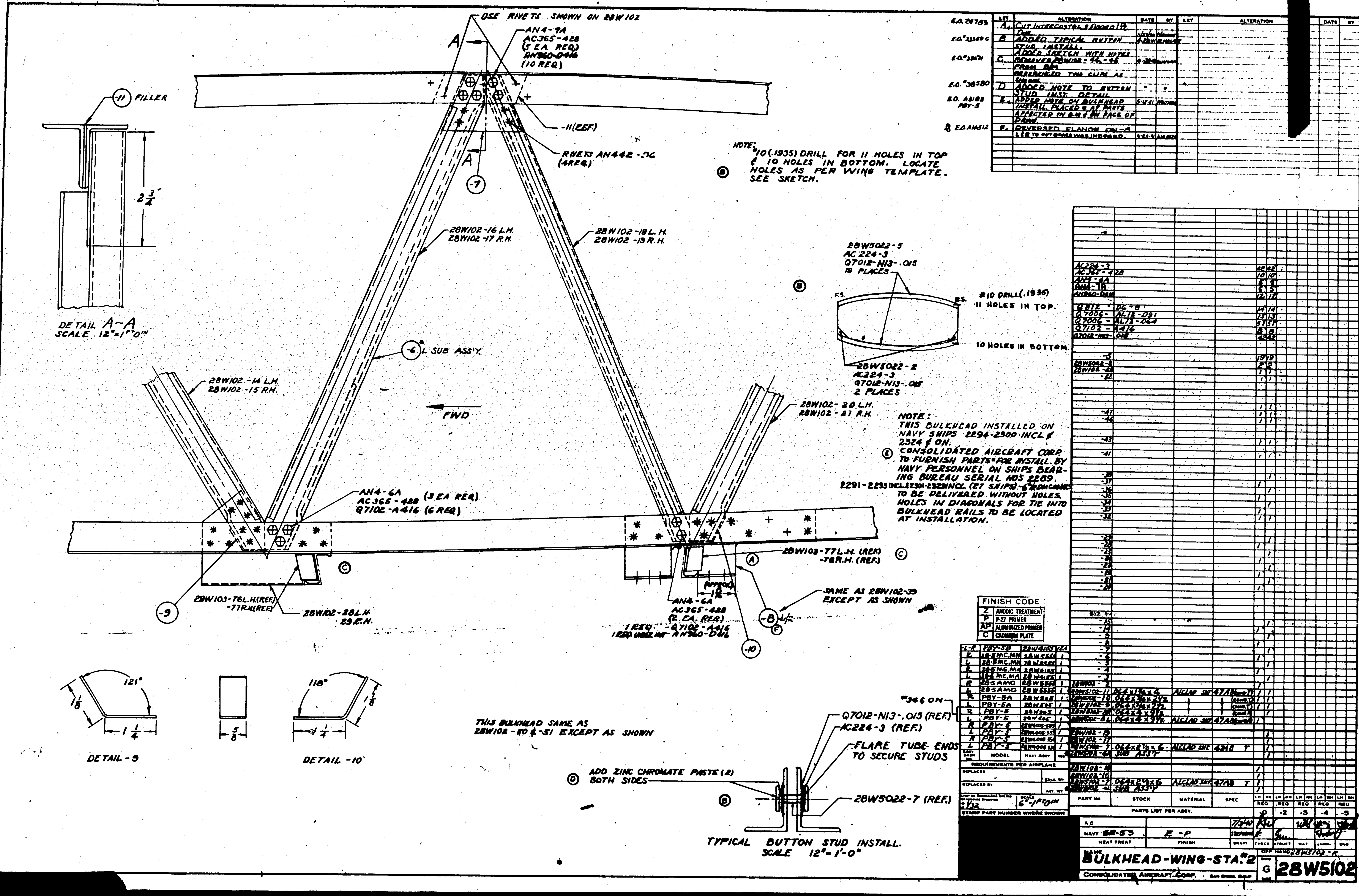
A C		DRAFT	CHECK	STRUCT	MAT	APPROV	ENG
NAVY		4-15-40					
HEAT TREAT	FINISH						

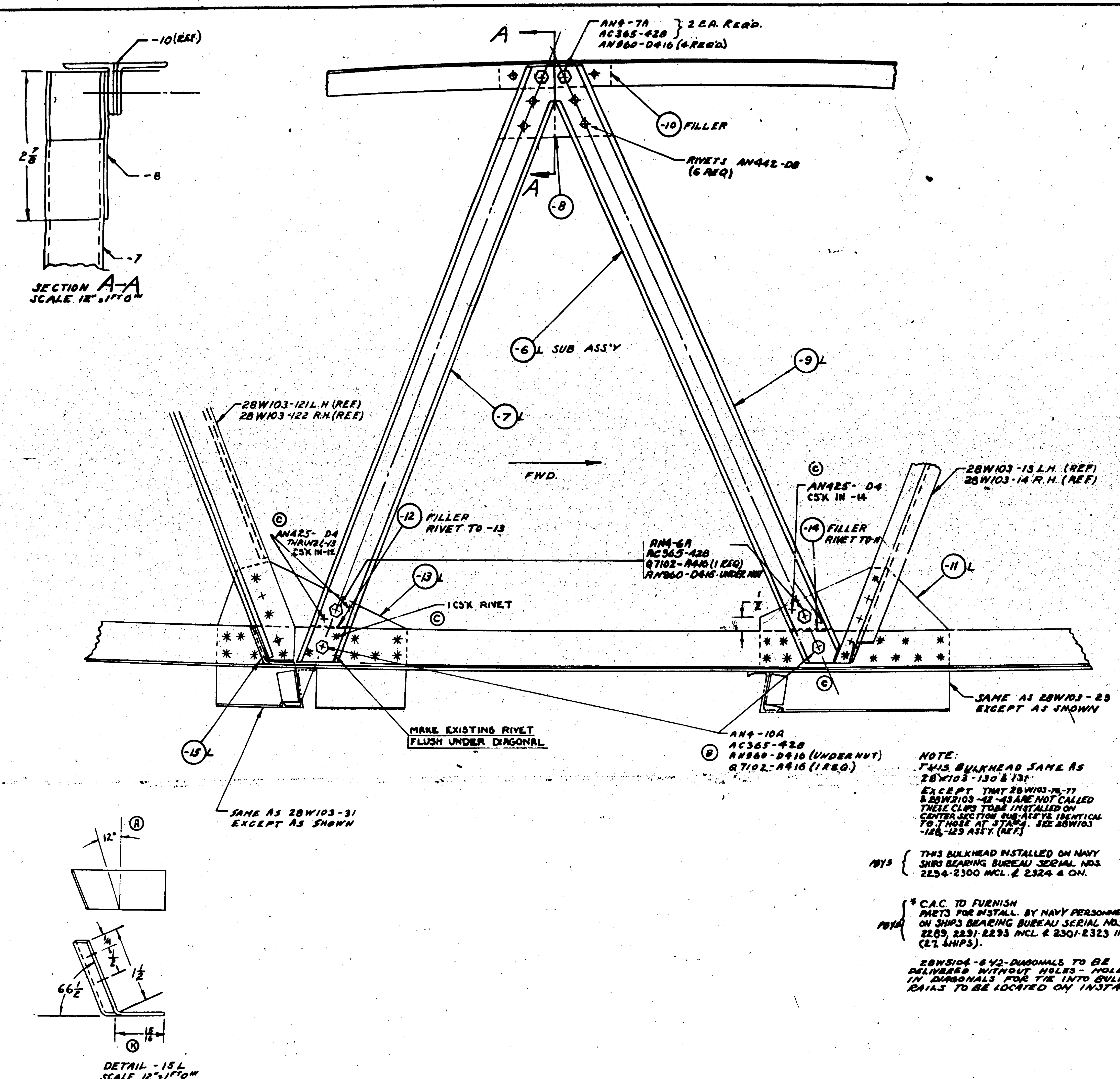
NAME INSTALL.-FITTINGS-OUTER STRUT ATTACH.-REAR SPAR

OPP HAND 28W5057-R

DWG SIZE G 28W5057

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.


USE RIVETS SHOWN ON 28W102
AN4-9A
AC365-428
(5 EA. REQ.)
AN960-D416
(10 REQ.)
-11 FILLER
-11(REF.)
RIVETS AN442-D6
(4 REQ.)
DETAIL A-A
SCALE 12"=1'-0"
NOTE: #10 (.1935) DRILL FOR 11 HOLES IN TOP & 10 HOLES IN BOTTOM. LOCATE HOLES AS PER WING TEMPLATE. SEE SKETCH.
28W102-16 L.H.
28W102-17 R.H.
28W102-18 L.H.
28W102-19 R.H.
28W5022-5
AC224-3
Q7012-N13-.015
19 PLACES
#10 DRILL (.1935)
11 HOLES IN TOP.
10 HOLES IN BOTTOM.
28W5022-2
AC224-3
Q7012-N13-.015
2 PLACES
-6 L SUB ASS'Y.
28W102-14 L.H.
28W102-15 R.H.
FWD
28W102-20 L.H.
28W102-21 R.H.
NOTE: THIS BULKHEAD INSTALLED ON NAVY SHIPS 2294-2300 INCL. & 2324 & ON.
CONSOLIDATED AIRCRAFT CORP. TO FURNISH PARTS FOR INSTALL. BY NAVY PERSONNEL ON SHIPS BEARING BUREAU SERIAL NOS 2289, 2291-2293 INCL. 2301-2323 INCL. (27 SHIPS). DIAGONALS TO BE DELIVERED WITHOUT HOLES. HOLES IN DIAGONALS FOR TIE INTO BULKHEAD RAILS TO BE LOCATED AT INSTALLATION.
AN4-6A
AC365-428 (3 EA REQ.)
Q7102-A416 (6 REQ.)
28W103-77 L.H. (REF.)
-76 R.H. (REF.)
28W103-76 L.H. (REF.)
-77 R.H. (REF.)
28W102-28 L.H.
29 R.H.
AN4-6A
AC365-428
(2 EA. REQ.)
Q7102-A416
AN960-D416
SAME AS 28W102-39 EXCEPT AS SHOWN
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
DETAIL-9
DETAIL-10
THIS BULKHEAD SAME AS 28W102-50 & -51 EXCEPT AS SHOWN
ADD ZINC CHROMATE PASTE (2) BOTH SIDES
Q7012-N13-.015 (REF.)
AC224-3 (REF.)
FLARE TUBE ENDS TO SECURE STUDS
28W5022-7 (REF.)
TYPICAL BUTTON STUD INSTALL.
SCALE 12"=1'-0"
A CUT INTERCOSTAL & ADDED 1/2 DIM.
B ADDED TYPICAL BUTTON STUD INSTALL.
C ADDED SKETCH WITH NOTES. REMOVED 28W102-44, -46 FROM B.M. REFERENCED THE CLIPS AS SHOWN.
D ADDED NOTE TO BUTTON STUD INST. DETAIL
E ADDED NOTE ON BULKHEAD INSTALL. PLACED & AT PARTS AFFECTED IN B.M. & ON FACE OF DRAW.
F REVERSED FLANGE ON -8
PARTS LIST PER ASSY.
REQUIREMENTS PER AIRPLANE
NAVY 58-53
Z-P
BULKHEAD-WING-STA. #2
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
28W5102



NOTE:
THIS BULKHEAD SAME AS 28W103-130 & 131
EXCEPT THAT 28W103-76,-77 & 28W2103-42-43 ARE NOT CALLED
THESE CLIPS TO BE INSTALLED ON CENTER SECTION SUB-ASS'YS IDENTICAL TO THOSE AT STA 4. SEE 28W103 -128,-129 ASS'Y. (REF.)

PBYS { THIS BULKHEAD INSTALLED ON NAVY SHIPS BEARING BUREAU SERIAL NOS. 2294-2300 INCL. & 2324 & ON.

PBYS { * C.A.C. TO FURNISH PARTS FOR INSTALL. BY NAVY PERSONNEL ON SHIPS BEARING BUREAU SERIAL NOS. 2289, 2291-2293 INCL. & 2301-2323 INCL. (27 SHIPS).

28W5104-6 1/2-DIAGONALS TO BE DELIVERED WITHOUT HOLES - HOLES IN DIAGONALS FOR TIE INTO BULKHEAD RAILS TO BE LOCATED ON INSTALL.

LET	ALTERATION	DATE	BY
A	CHANGED 12° WAS [illegible]	4-3-40	RIOUX
B	INCORRECT NOTE REMOVED	4-3-40	RIOUX
C	CS'K NOTE ADDED, 2-3/16 CS'K &	"	"
"	1-3/16 CS'K RIVETS OMITTED, 5-3/16 RIVETS	"	"
"	ADDED - OMIT 1 CS'K RIVET AND [illegible]	"	"
	RIVET & 1-3/16 CS'K RIVET	"	"
D	28W2103-42 & 43 WAS 28W103-35 IN B.M.	5-6-41	COHAS
E	ADDED NOTE & REMOVED FROM [illegible] 28W103-76-77 & 28W2103 -42-43 CLIPS		
F	REMOVED 28W103-61-62 FROM B.M.	5-12-41	CARUSO
G	ADDED NOTES	"	"
H	IN B.M. 28W103-63 & 64 WAS 28W103-25 & 26. NO WT. CHG.	4-4-42	YOUNG
J	[illegible]		
	[illegible] NO WT. CHG.	5-17-43	[illegible]
K	[illegible] .064 x [illegible] ALCLAD, QQ-A-362 [illegible] WAS 15 [illegible] .064 x [illegible] x 3 ALCLAD 24ST		
	WT. CHG. NEG.	5-31-43	MERRIS

FINISH CODE

Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

PART No	STOCK	MATERIAL	SPEC	-0 LH	-0 RH
AC365-428				6	6
AN4-10A				2	2
AN4-6A				2	2
Q7006-AL	12-.064			16	16
Q7102A416				4	4
AN4-7A				2	2
AN960D416				6	6
28W2070-5				1	1
-4				1	1
-3				1	1
28W2070-2				1	1
-114				2	2
28W103-122					1
-121				1	
-120					1
-119				1	
-118					1
-117				1	
-111				1	1
-110				1	1
-105				1	1
-104				1	1
-101				1	1
-100				1	1
-96					1
-95				1	
-94					1
-93				1	
-38					1
-37				1	
-89R					1
-89L				1	
-88R					1
-88L				1	
-85					1
-84				1	
-83					1
-82				1	
-64					1
-63				1	
-56				1	1
-55				1	1
-36				1	1
-14				1	1
-13				1	1
-12				1	1
-11				1	1
28W103-7				2	2
28W086-25				1	1
28W5104-15R	.064 x 7/8 x 2 11/16	ALCLAD SHT.	QQ-A-362-II		1
28W5104-15L	.064 x 7/8 x 2 11/16	ALCLAD SHT.	QQ-A-362-II	1	
-9R	Y12-A33T x 26				1
-8	.064 x 3 x 7				1
28W5104-7R	Y12-A33T x 26				1
SUB ASS'Y -6R					
28W5104-9L	Y12-A33T x 26	ALCLAD	47A8 T	1	
-8	.064 x 3 x 7	ALCLAD SHT.	47A8 T	1	
28W5104-7L	Y12-A33T x 26	ALCLAD	47A8 T	1	
SUB ASS'Y -6L					
28W5104-14	.187 x 2 x 2	ALCLAD SHT.	47A8 T	1	1
-13R	.064 x 6 1/2 x 7 1/2				1
-13L	.064 x 6 1/2 x 7 1/2			1	
-12	.187 x 2 x 2			1	1
-11R	.064 x 6 1/2 x 7 1/2	ALCLAD SHT.			1
-11L	.064 x 6 1/2 x 7 1/2	ALCLAD SHT.		1	
-10	.064 x 1 1/2 x 4 1/2	ALCLAD SHT.	47A8 T	1	1
-6R	SUB ASS'Y				1
28W5104-6L	SUB ASS'Y			1	

PARTS LIST FOR ASSY. — REQ. -0, -2, -3, -4, -5 (LH / RH)

ASSY DASH No	MODEL	NEXT ASSY	REQ
-14	PBY-5	28W5043	2
-12	PBY-5	28W5043	2
-10	PBY-5	28W5043	2
-6 1/2	PBY-5	28W5043	1/1
-0 1/2	PBY-5B	28W4156	1/1
-0 1/2	28-5MC	28W5555	1/1
-0 1/2	28-5MN	28W5555	1/1
-0 1/2	28-5MC	28W5555	1/1
-0 1/2	28-5MA	28W4155	1/1
-0 1/2	28-5ME	28W4155	1/1
-0 1/2	28-5AMW	28W6830	1/1
-0 1/2	PBY-5A	28W5005	1/1
-0 1/2	PBY-5	28W3005	1/1
-14		28W5043	2
-12			2
-10			2
-6 1/2		28W5043	1 RH

\#1 TO 27 (beside -14 to -6 1/2); #36 & ON (beside -0 1/2 PBY-5); C05000 30927-1307 (31 SHIPS) (beside -14 to -6 1/2)

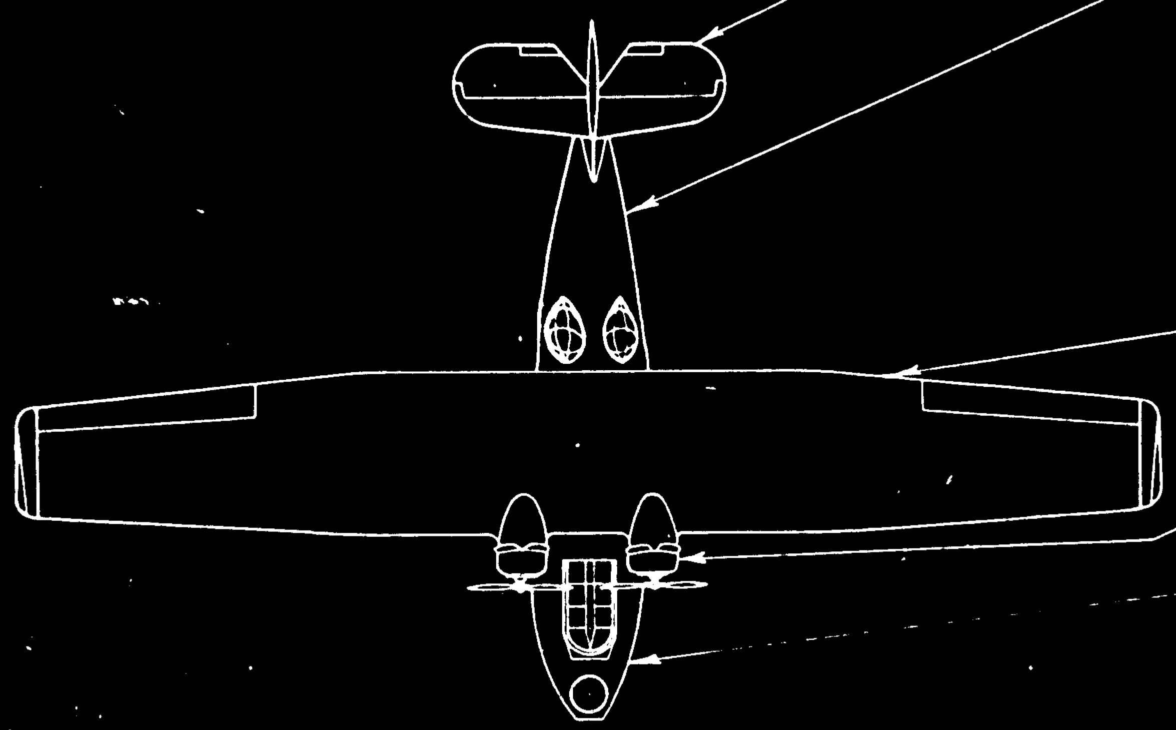
REQUIREMENTS PER AIRPLANE

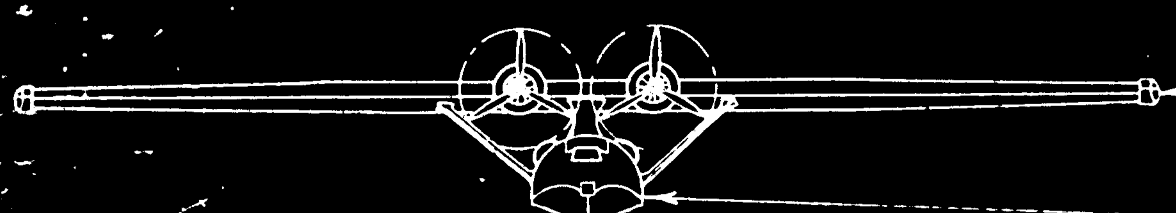
REPLACES — CALC. WT.
REPLACED BY — ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED $\pm\frac{1}{32}$ — SCALE 6"=1FT 0IN
STAMP PART NUMBER WHERE SHOWN

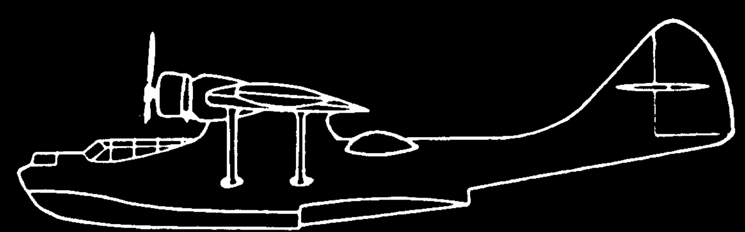
A C		7/2/40
NAVY NONE	Z-P	
HEAT TREAT	FINISH	DRAFT / CHECK / STRUCT / MAT / APPROV / ENG

NAME BULKHEAD - WING - ENGINE MOUNT · STA 4.5
OPP. HAND 28W5104-R
DWG. G 28W5104
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28W5104 R







	PBY-1	PBY-2	PBY-3	PBY-4	PBY-5	PBY-5A	28-5ME
EMPENNAGE INSTALL.	28T1001	28T2001-102	28T2001-103	28T2001-104	28T5001	28T5001	28T5001
RUDDER STRUCT	28T1005	28T2005	28T2005	28T2005	28T5005	28T5005	28T5005
UPPER FIN STRUCT	28T1002	28T1002-27	28T1002-103	28T1002-104	28T5002	28T5002	28T5002
ELEVATOR STRUCTURE	28T003	28T2003	28T2003	28T2003	28T2003	28T2003	28T2003
STABILIZER STRUCTURE	28T1003	28T2029-102	28T2029-103	28T2029-104	28T2029-105	28T2029-105	28T2029-105
FIXED EQUIPMENT	28F1001	28F1001	28F1001	28F1001	28F1001	28F6001	28F5502
SURFACE CONTROL INSTALL	28C1000	28C2000	28C2000	28C2000	28C5000	28C5700	28C5500
FURNISHINGS INSTALL.	28F1002	28F1002	28F1002	28F1002	28F1002	28F6002	28F5502
AIRSPEED, MANIFOLD, & TACH. LINES INST	28F1016	28F2016 & 7	28F2016-8	28F2016-8	28F2016-155		28F2016-156
WIRING DIAGRAM - INTERPHONE	28E1006	28E2001	28E2001	28E2001	28E5042		28E5563
CONTROL LOCK INSTALL	28F1489	28F1489	28F1489	28F1489	28F1489-55		28F1489-56
WIRING DIAGRAM	28E1000	28E2000	28E3025	28E4023	28E5000		28E5654
CONDUIT INSTALL.	28E1001	28E1001	28E1001	28E4010	28E5050		28E5550
BONDING DIAGRAM	28E1010	28E1192	28E1192	28E4027	28E4027		28E4027
ANCHOR INSTALL	28H1012	28H1012	28H1012	28H1012	28H1012-30		28H1012-30
HOISTING SLING	28H1003	28H1003-20	28H1003-20	28H1003-20	28H1003-55		28H1003-60
DE-ICER INSTALL	———	28F2190	28H2190-70	28F2190-100	28F2190-155		28F2190-155
WORKING PLATFORM INSTALL	28F1437	28F1437	28H1437-15	28H1437-15	28F1437-15		28F1437-15
WING INSTALL	28W001	28W2001	28W3001	28W4001	SEE NOTE #1	28W4001-556	28W5501
OUTER PANEL - STRUCT	28W004	28W004	28W004	28W004	28W004	28W004	28W004
CENTER SECTION - STRUCT.	28W005	28W2005	28W3005	28W4005	SEE NOTE #2	28W5P06	SEE NOTE #3
AILERON STRUCTURE	28W010	28W2010	28W2010	28W2010	28W2010	28W2010	28W2010
POWER PLANT INSTALL.	28P1000	28P2000	28P3000	28P3000	SEE NOTE #6	28P5100	28P5100-3
FUEL SYSTEM	28G1000	28G2000	28G3000	28G3000	28G3000		[illegible]
OIL SYSTEM.	28-0-1000	28-0-2000	28-0-3000	28-0-3000	28-0-5000		28-0-5000
ENGINE CONTROLS	28P1008	28P2008	28P3008	28P3008	28P5005		28P5005
USEFUL LOAD	28U1000	28U1000	28U1000	28U1000	28U1000		28F6502
TORPEDO INSTALL	———	———	28A3001	28A3001	SEE NOTE #8	28A5001	———
BOMBSIGHT INSTALL	28A1009	28A1009	28A1009	28A1009	28A1009		28F5685
BOMB RACK & CONTROL INSTALL	28A1015	28A1015	28A1015	28A1015	SEE NOTE #9	28A1015-50	SEE NOTE #7
BOW GUN INSTALL	28B1307	28B1307	28B1307	28B1307	28B1307-80		28A5517
REAR GUN INSTALL	28A1005	28A1005	28A1005-2	28A1005-3	28A9006-2		28A5510
FLARE INSTALL	28A1006	28A1006	28A1006	28A1006	28A1006-31		28A1006-31
RADIO INSTALL	28U1009	28U1009	28U1009	28U1009	28U6009		28U5503
ANTENNA INSTALL	28U1004	28U2004	28U2004	28U2004-30	28U6004		28U5502
TUNNEL GUN INSTALL	28A1004	28A1004	28A1004	28A1004	28A1004-2		28A5511
A.F.C. INSTALL	———	28F2158	28F2158-3	28F2158-3	28F2158-3		———
A.F.C. DIAGRAM	———	M-1452	M-1452	M-1452	M-1452	M-1452	———
FLOAT INSTALL (RETRACT)	28L001	28L001	28L001	28L001	28L001	28L001	28L001
FLOAT LINES	28L002	28L002	28L002	28L002	28L002	28L002	28L002
FLOAT PLATING	28L010	28L2001	28L2001	28L2001	28L2001	28L2001	28L2001
FLOAT STRUCTURE	28L011	28L2002	28L2002	28L2002	28L2002	28L2002	28L2002
HULL ASSEMBLY	28B1000	28B1000	28B1000	28B1000	SEE NOTE #4		SEE NOTE #5
HULL LINES	28B002	28B002	28B002	28B002	28B002		28B002
HULL OFFSETS	28B003	28B003	28B003	28B003	28B003		28B003
FIN STRUCTURE	28B1006	28B1006	28B1006	28B1006	28B1006		28B1006
STRINGER SPACING	28B1007	28B1007	28B1007	28B1007	28B1007		28B1007
BEACHING GEAR ARRANGE	28H1002	28H1002	28H1002	28H1002	28H1002		28H1002
BEACHING GEAR ASSEM.	28H005	28H005	28H3005	28H3005	28H3005-5		28H3005-5
TAIL WHEEL ASSEM.	28H1010	28H1010	28H1010	28H1010	28H1010		28H1010
NOMENCLATURE	28Z1050	28Z1050	28Z1050	28Z1050	28Z5050 (J)		28Z5501
HULL MARKING DIAGRAM.	28Z1051	28Z1051	28Z1051	28Z1051	SEE NOTE #12 & 13 (K)	SEE NOTE #12	28Z5500
RIGGING INFORMATION	28R1086	28R1086	28R1086	28R1086	28R2044		28R2044
RUDDER LOCK INSTALLATION	28C4050	28C4050	28C4050	28C4050	28C4050-55	28C4050-55	28C4050-55

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	D	REDRAWN & ADDED PBY-5 REQ'MTS.	2-9-40	[illegible]
	E	ADDED 28-5ME REQ'MTS.	9-24-40	[illegible]
E.O.1905	F	ADDED NOTE #10	10-11-40	SANDOVAL
	G	SHEET 2 & REQUIREMENTS FOR 28-5MA, 5MC, 5MN, 5AMC & OA-10 ADDED.	3-11-41	[illegible]
	H	ADDED NOTE #11	1-20-43	[illegible]
	J	REMOVED 28Z5051 FOR PBY-6	1-28-43	[illegible]
MCR 39A	K	ADDED NOTE #12 TO DWG	6-18-43	KRUM
MCR 39A-2	L	ADDED NOTE #13 TO DWG	6-3-43	KRUM

NOTE #1
WING INSTALLATION DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:

AIRPLANES #1 TO 10 INCL. (SERIAL NO'S. 2289 TO 2298 (INCL.)	28W4001-55
AIRPLANES #11 TO 35 INCL. (SERIAL NO'S. 2299 TO 2323 (INCL.)	28W4001-555
AIRPLANES #36 TO 167 INCL. (SERIAL NO'S. 2324 TO 2455 (INCL.)	28W4001-556

NOTE #2
CENTER SECTION STRUCTURE DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:

AIRPLANES #1 TO 10 INCL. (SERIAL NO'S. 2289 TO 2298 (INCL.)	28W4005-550
AIRPLANES #11 TO 35 INCL. (SERIAL NO'S. 2299 TO 2323 (INCL.)	28W4005-555
AIRPLANES #36 TO 167 INCL. (SERIAL NO'S. 2324 TO 2455 INCL.)	28W5005

NOTE #3
CENTER SECTION STRUCTURE DRAWINGS FOR MODEL 28-5ME ARE AS FOLLOWS:

AIRPLANES #1 TO 12 INCL.	28W4155-0
AIRPLANES #13 TO 97 INCL.	28W4155-2

NOTE #4
HULL ASSEMBLY DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:

AIRPLANES #1 TO 24 INCL. (SERIAL NO'S. 2289 TO 2312 INCL.)	28B1000-550
AIRPLANES #25 TO 167 INCL. (SERIAL NO'S. 2313 TO 2455 INCL.)	28B1000-655

NOTE #5
HULL ASSEMBLY DRAWINGS FOR MODEL 28-5ME ARE AS FOLLOWS:

AIRPLANES #1 TO 11 INCL.	28B1000-850
AIRPLANES #12 TO 97 INCL.	28B1000-855

NOTE #6
POWER PLANT INSTALLATION DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:

AIRPLANES #1 TO 13 INCL. (SERIAL NO'S. 2289 TO 2301 INCL.)	28P5100
AIRPLANES #14 TO 25 INCL. (SERIAL NO'S. 2302 TO 2313 INCL.)	28P5100-4
AIRPLANES #26 TO 160 INCL. (SERIAL NO'S. 2314 TO 2448 INCL.)	28P5100
AIRPLANES #161 TO 163 INCL. (SERIAL NO'S. 2449 TO 2451 INCL.)	28P5100-4
AIRPLANES #164 TO 167 INCL. (SERIAL NO'S. 2452 TO 2455 INCL.)	28P5100

NOTE #7
BOMB INSTALL. DRAWINGS FOR MODEL 28-5ME ARE AS FOLLOWS:

AIRPLANES #1 TO 12 INCL.	28A6521
AIRPLANES #13 TO 97 INCL.	28A5556

NOTE #8
TORPEDO INSTALL. DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:
AIRPLANES #1 TO 10 INCL.
SERIAL NO'S. 2289 TO 2298 INCL. 28A5001-8
AIRPLANES #11 TO 167 INCL.
SERIAL NO'S. 2299 TO 2455 INCL. 28A6001

NOTE #9
BOMB INSTALL. DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:
AIRPLANES #1 TO 10 INCL.
SERIAL NO'S. 2289 TO 2298 INCL. 28A1015-[illegible]
AIRPLANES #11 TO 167 INCL.
SERIAL NO'S. 2299 TO 2455 INCL. 28A1015-50

(F) NOTE #10
PBY-5 - #1-167 INCL. (SERIAL NO'S. 2289-2455)
PBY-5A - #168-200 INCL. (SERIAL NO'S. 2456-248[illegible])

(H) NOTE #11
HOISTING INSTRUCTIONS WITH BRITISH BOMB ADAPTER —— FOR MODEL PBY-5 AS FOLLOWS:
86 SHIPS.
SERIAL NOS. JX200-JX269, 08177 & 08211-08225
28A5207

(K) NOTE #12:
HULL MARKING DIAGRAM 28Z5026 (PBY-5) & 28Z5502 (PBY-5A) EFFECTIVE TO MCR 39A. HULL MARKING DIAGRAM 28Z5070 EFF. ON MCR 39A & ON.

(L) NOTE #13 -
HULL MARKING & STENCILING REPORT 28Z6060 (PBY-5) EFFECTIVE TO MCR 39A-2. MARKING & STENCILING REPORT 28Z5090 EFFECTIVE ON MCR 39A-2 & ON.

MODEL	NEXT ASSY.	REQ	ST'D PARTS	LH REQ.	RH REQ.	PART NO.
PBY-5B						
28-5ME						
PBY-5A						
PBY-5						
PBY-4						
PBY-3						
PBY-2						
PBY-1						

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

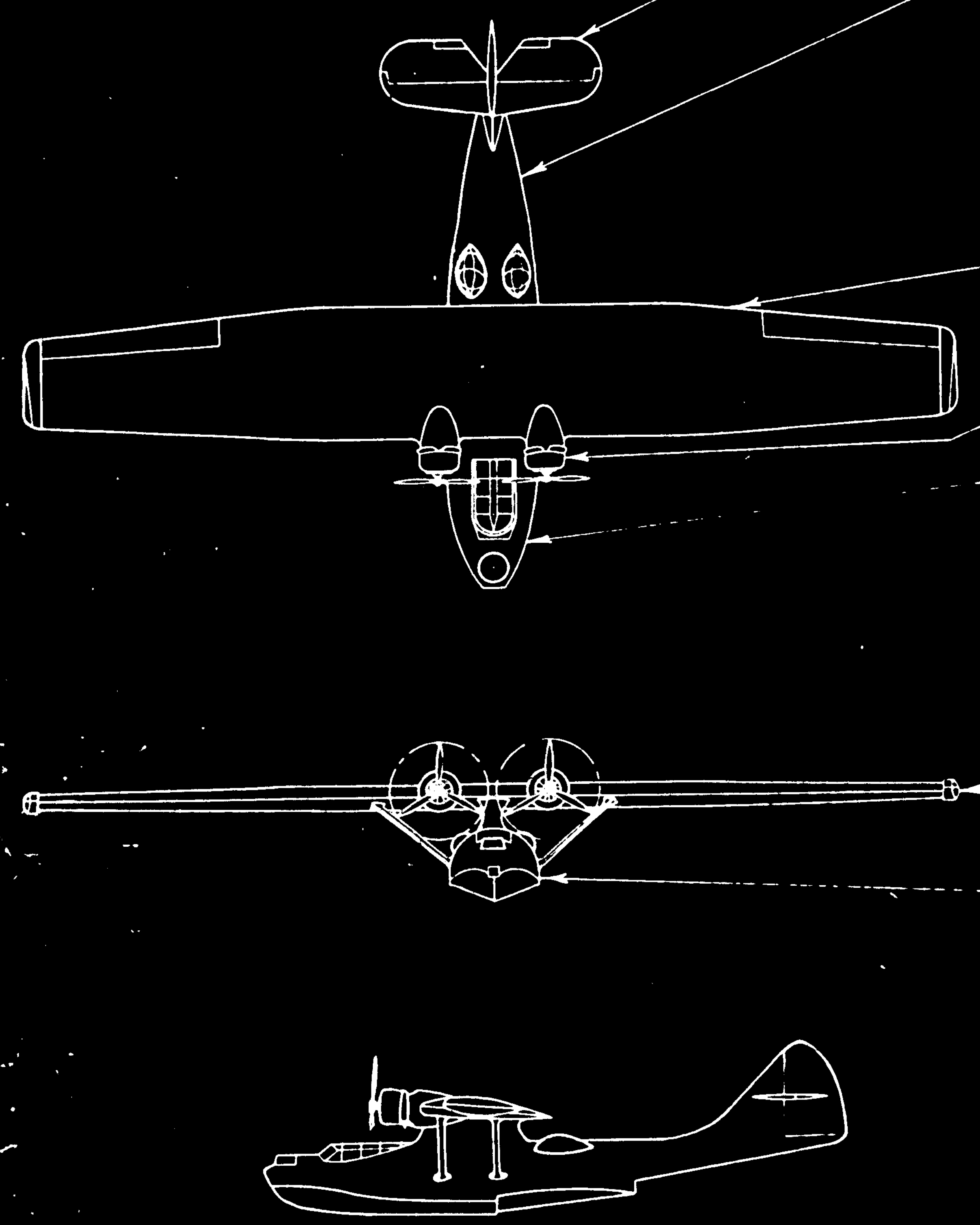
28Z1025 OF 4-29-37 — REPLACES — APPROVED — DATE — REPLACED BY — CALC. WT. — ACT. WT. — O.H. — SCALE 1" = 12'-0"

A.C. — NAVY — MATERIAL — SPEC. — HEAT TREAT — FINISH — DRAFT — CHECK — EXAM.

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

NAME: FINAL ASSEMBLY

SIZE G — DWG. 28Z1025 — SHEET 1 OF 2



	PBY-1	PBY-2	PBY-3	PBY-4	PBY-5	PBY-5A	28-5ME
EMPENNAGE INSTALL.	28T1001	28T2001-102	28T2001-103	28T2001-104	28T5001	28T5001	28T5001
RUDDER STRUCT	28T1005	28T2005	28T2005	28T2005	28T5005	28T5005	28T5005
UPPER FIN STRUCT.	28T1002	28T1002-27	28T1002-103	28T1002-104	28T5002	28T5002	28T5002
ELEVATOR STRUCTURE	28T003	28T2003	28T2003	28T2003	28T2003	28T2003	28T2003
STABILIZER STRUCTURE	28T1003	28T2029-102	28T2029-103	28T2029-104	28T2029-105	28T2029-105	28T2029-105
FIXED EQUIPMENT	28F1001	28F1001	28F1001	28F1001	28F1001	28F6001	28F5502
SURFACE CONTROL INSTALL	28C1000	28C2000	28C2000	28C2000	28C5000	28C5700	28C5500
FURNISHINGS INSTALL.	28F1002	28F1002	28F1002	28F1002	28F1002	28F6002	28F5502
AIRSPEED, MANIFOLD, & TACH. LINES INST.	28F1016	28F2016-7	28F2016-8	28F2016-8	28F2016-55		28F2016-156
WIRING DIAGRAM - INTERPHONE	28E1006	28E2001	28E2001	28E2001	28E5042		28E5563
CONTROL LOCK INSTALL	28F1489	28F1489	28F1489	28F1489	28F1489-55		28F1489-56
WIRING DIAGRAM	28E1000	28E2000	28E3025	28E4023	28E5000		28E5554
CONDUIT INSTALL.	28E1001	28E1001	28E1001	28E4010	28E5050		28E5550
BONDING DIAGRAM	28E1010	28E1192	28E1192	28E4027	28E4027		28E4027
ANCHOR INSTALL	28H1012	28H1012	28H1012	28H1012	28H1012-30		28H1012-30
HOISTING SLING	28H1003	28H1003-20	28H1003-20	28H1003-20	28H1003-55		28H1003-60
DE-ICER INSTALL	———	28F2190	28H2190-70	28F2190-100	28F2190-155		28F2190-155
WORKING PLATFORM INSTALL	28F1437	28F1437	28H1437-15	28H1437-15	28F1437-15		28F1437-15
WING INSTALL	28W001	28W2001	28W3001	28W4001	SEE NOTE #1	28W4001-556	28W5501
OUTER PANEL-STRUCT	28W004	28W004	28W004	28W004	28W004	28W004	28W004
CENTER SECTION-STRUCT.	28W005	28W2005	28W3005	28W4005	SEE NOTE #2	28W5005	SEE NOTE #3
AILERON STRUCTURE	28W010	28W2010	28W2010	28W2010	28W2010	28W2010	28W2010
POWER PLANT INSTALL.	28P1000	28P2000	28P3000	28P3000	SEE NOTE #6	28P5100	28P5100-3
FUEL SYSTEM	28G1000	28G2000	28G3000	28G3000	28G3000		28G3000
OIL SYSTEM.	28-0-1000	28-0-2000	28-0-3000	28-0-3000	28-0-5000		28-0-5000
ENGINE CONTROLS	28P1008	28P2008	28P3008	28P3008	28P5005		28P6005
USEFUL LOAD	28U1000	28U1000	28U1000	28U1000	28U1000		28F6502
TORPEDO INSTALL	———	———	28A3001	28A3001	SEE NOTE #8	28A5001	———
BOMBSIGHT INSTALL	28A1009	28A1009	28A1009	28A1009	28A1009		28F5685
BOMB RACK & CONTROL INSTALL	28A1015	28A1015	28A1015	28A1015	SEE NOTE #9	28A1015-50	SEE NOTE #7
BOW GUN INSTALL	28B1307	28B1307	28B1307	28B1307	28B1307-80		28A5517
REAR GUN INSTALL	28A1005	28A1005	28A1005-2	28A1005-3	28A9006-2		28A5510
FLARE INSTALL	28A1006	28A1006	28A1006	28A1006	28A1006-31		28A1006-31
RADIO INSTALL	28U1009	28U1009	28U1009	28U1009	28U6009		28U5503
ANTENNA INSTALL	28U1004	28U2004	28U2004	28U2004-30	28U6004		28U5502
TUNNEL GUN INSTALL	28A1004	28A1004	28A1004	28A1004	28A1004-2		28A5511
A.F.C. INSTALL	———	28F2158	28F2158-3	28F2158-3	28F2158-3		———
A.F.C. DIAGRAM	———	M-1452	M-1452	M-1452	M-1452	M-1452	———
FLOAT. INSTALL (RETRACT)	28L001	28L001	28L001	28L001	28L001	28L001	28L001
FLOAT LINES	28L002	28L002	28L002	28L002	28L002	28L002	28L002
FLOAT PLATING	28L010	28L2001	28L2001	28L2001	28L2001	28L2001	28L2001
FLOAT STRUCTURE	28L011	28L2002	28L2002	28L2002	28L2002	28L2002	28L2002
HULL ASSEMBLY	28B1000	28B1000	28B1000	28B1000	SEE NOTE #4		SEE NOTE #5
HULL LINES	28B002	28B002	28B002	28B002	28B002		28B002
HULL OFFSETS	28B003	28B003	28B003	28B003	28B003		28B003
FIN STRUCTURE	28B1006	28B1006	28B1006	28B1006	28B1006		28B1006
STRINGER SPACING	28B1007	28B1007	28B1007	28B1007	28B1007		28B1007
BEACHING GEAR ARRANGE	28H1002	28H1002	28H1002	28H1002	28H1002		28H1002
BEACHING GEAR ASSEM.	28H005	28H005	28H3005	28H3005	28H3005-5		28H3005-5
TAIL WHEEL ASSEM.	28H1010	28H1010	28H1010	28H1010	28H1010		28H1010
NOMENCLATURE	28Z1050	28Z1050	28Z1050	28Z1050	28Z5050 (J)		28Z5501
HULL MARKING DIAGRAM.	28Z1051	28Z1051	28Z1051	28Z1051	SEE NOTE #12/13 (K)	SEE NOTE #12	28Z5500
RIGGING INFORMATION	28R1086	28R1086	28R1086	28R1085	28R2044		28R2044
RUDDER LOCK INSTALLATION	28C4050	28C4050	28C4050	28C4050	28C4050-55	28C4050-55	28C4050-56

SUPPLIES & EQUIPMENT CLASSIFICATION

	LET	ALTERATION	DATE	BY
	D	REDRAWN & ADDED PBY-5 REQ'MTS.	2-9-40	[illegible]
	E	ADDED 28-5ME REQ'MTS.	9-24-40	[illegible]
E.O. 1905A	F	ADDED NOTE #10	10-11-40	SANDOV[illegible]
	G	SHEET 2 & REQUIREMENTS FOR 28-5MA, 5MC, 5MN, 5AMC & OA-10 ADDED.	3-11-41	BARTSCH
	H	ADDED NOTE #11	1-20-43	[illegible]
	J	REMOVED 28Z5051 FOR PBY-5	1-20-43	[illegible]
MCR 39A	K	ADDED NOTE #12 TO DWG.	6-18-43	KRUK
MCR 39A-2	L	ADDED NOTE #13, TO DWG.	6-3-43	KRUK

NOTE #1
WING INSTALLATION DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:
AIRPLANES #1 TO 10 INCL. (SERIAL NO'S. 2289 TO 2298 INCL.) 28W4001-55
AIRPLANES #11 TO 35 INCL. (SERIAL NO'S. 2299 TO 2323 INCL.) 28W4001-555
AIRPLANES #36 TO 167 INCL. (SERIAL NO'S. 2324 TO 2455 INCL.) 28W4001-556

NOTE #2
CENTER SECTION STRUCTURE DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:
AIRPLANES #1 TO 10 INCL. (SERIAL NO'S. 2289 TO 2298 INCL.) 28W4005-550
AIRPLANES #11 TO 35 INCL. (SERIAL NO'S. 2299 TO 2323 INCL.) 28W4005-555
AIRPLANES #36 TO 167 INCL. (SERIAL NO'S. 2324 TO 2455 INCL.) 28W5005

NOTE #3
CENTER SECTION STRUCTURE DRAWINGS FOR MODEL 28-5ME ARE AS FOLLOWS:
AIRPLANES #1 TO 12 INCL. 28W4155-0
AIRPLANES #13 TO 97 INCL. 28W4155-2

NOTE #4
HULL ASSEMBLY DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:
AIRPLANES #1 TO 24 INCL. (SERIAL NO'S 2289 TO 2312 INCL.) 28B1000-550
AIRPLANES #25 TO 167 INCL. (SERIAL NO'S. 2313 TO 2455 INCL.) 28B1000-655

NOTE #5
HULL ASSEMBLY DRAWINGS FOR MODEL 28-5ME ARE AS FOLLOWS:
AIRPLANES #1 TO 11 INCL. 28B1000-850
AIRPLANES #12 TO 97 INCL. 28B1000-855

NOTE #6
POWER PLANT INSTALLATION DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:
AIRPLANES #1 TO 13 INCL. (SERIAL NO'S. 2289 TO 2301 INCL.) 28P5100
AIRPLANES #14 TO 25 INCL. (SERIAL NO'S 2302 TO 2313 INCL.) 28P5100-4
AIRPLANES #26 TO 160 INCL. (SERIAL NO'S. 2314 TO 2448 INCL.) 28P5100
AIRPLANES #161 TO 163 INCL. (SERIAL NO'S. 2449 TO 2451 INCL.) 28P5100-4
AIRPLANES #164 TO 167 INCL. (SERIAL NO'S. 2452 TO 2455 INCL.) 28P5100

NOTE #7
BOMB INSTALL. DRAWINGS FOR MODEL 28-5ME ARE AS FOLLOWS:
AIRPLANES #1 TO 12 INCL. 28A6521
AIRPLANES #13 TO 97 INCL. 28A5556

NOTE #8
TORPEDO INSTALL. DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:
AIRPLANES #1 TO 10 INCL.
SERIAL NO'S. 2289 TO 2298 INCL. 28A3001-2
AIRPLANES #11 TO 167 INCL.
SERIAL NO'S. 2299 TO 2455 INCL. 28A6001

NOTE #9
BOMB INSTALL. DRAWINGS FOR MODEL PBY-5 ARE AS FOLLOWS:
AIRPLANES #1 TO 10 INCL.
SERIAL NO'S. 2289 TO 2298 INCL. 28A1015-6
AIRPLANES #11 TO 167 INCL.
SERIAL NO'S. 2299 TO 2455 INCL. 28A1015-50

(F) NOTE #10
PBY-5 = #1-167 INCL. (SERIAL NO'S. 2289-2455)
PBY-5A = #168-200 INCL. (SERIAL NO'S. 2456-2488)

(H) NOTE #11
HOISTING INSTRUCTIONS WITH BRITISH BOMB ADAPTER —— FOR MODEL PBY-5 AS FOLLOWS:
86 SHIPS.
SERIAL NOS. JX200-JX269, 08177, 08211-08225 28A5207

(K) NOTE #12:
HULL MARKING DIAGRAM 28Z5026 (PBY-5) & 28Z5502 (PBY-5A) EFFECTIVE TO MCR 39A. HULL MARKING DIAGRAM 28Z5070 EFF. ON MCR 39A & ON.

(L) NOTE #13 -
HULL MARKING & STENCILING REPORT 28Z6060 (PBY-5) EFFECTIVE TO MCR 39A-2. MARKING & STENCILING REPORT 28Z5090 EFFECTIVE ON MCR 39A-2 & ON.

PBY-5B
28-5ME
PBY-5A
PBY-5
PBY-4
PBY-3
PBY-2
PBY-1

MODEL | NEXT ASSY. | REQ | STD PARTS | LH RH REQ. | PART NO. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ. | LH RH REQ.

REQUIREMENTS PER AIRPLANE | MAT. | PARTS LIST PER ASSY.

28Z1025 OF 4-29-37 REPLACES | APPROVED | DATE
REPLACED BY | CALC. WT. | ACT WT. | O.H.
SCALE 1"=12'-0"

FILE

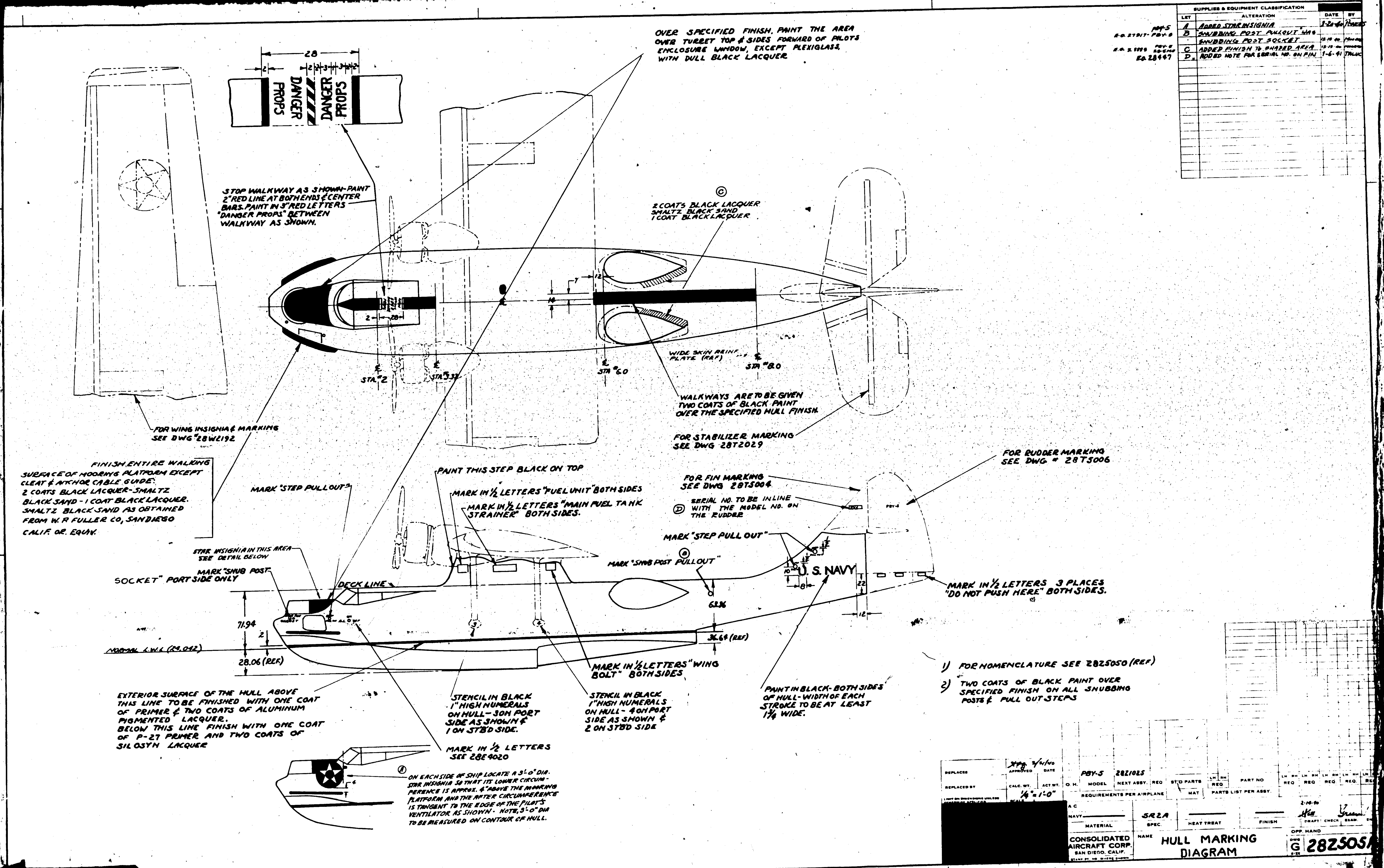
A.C.
NAVY
MATERIAL | SPEC | HEAT TREAT | FINISH

DRAFT 2-12-40 | CHECK 2-20-40 | STAM | ENG.

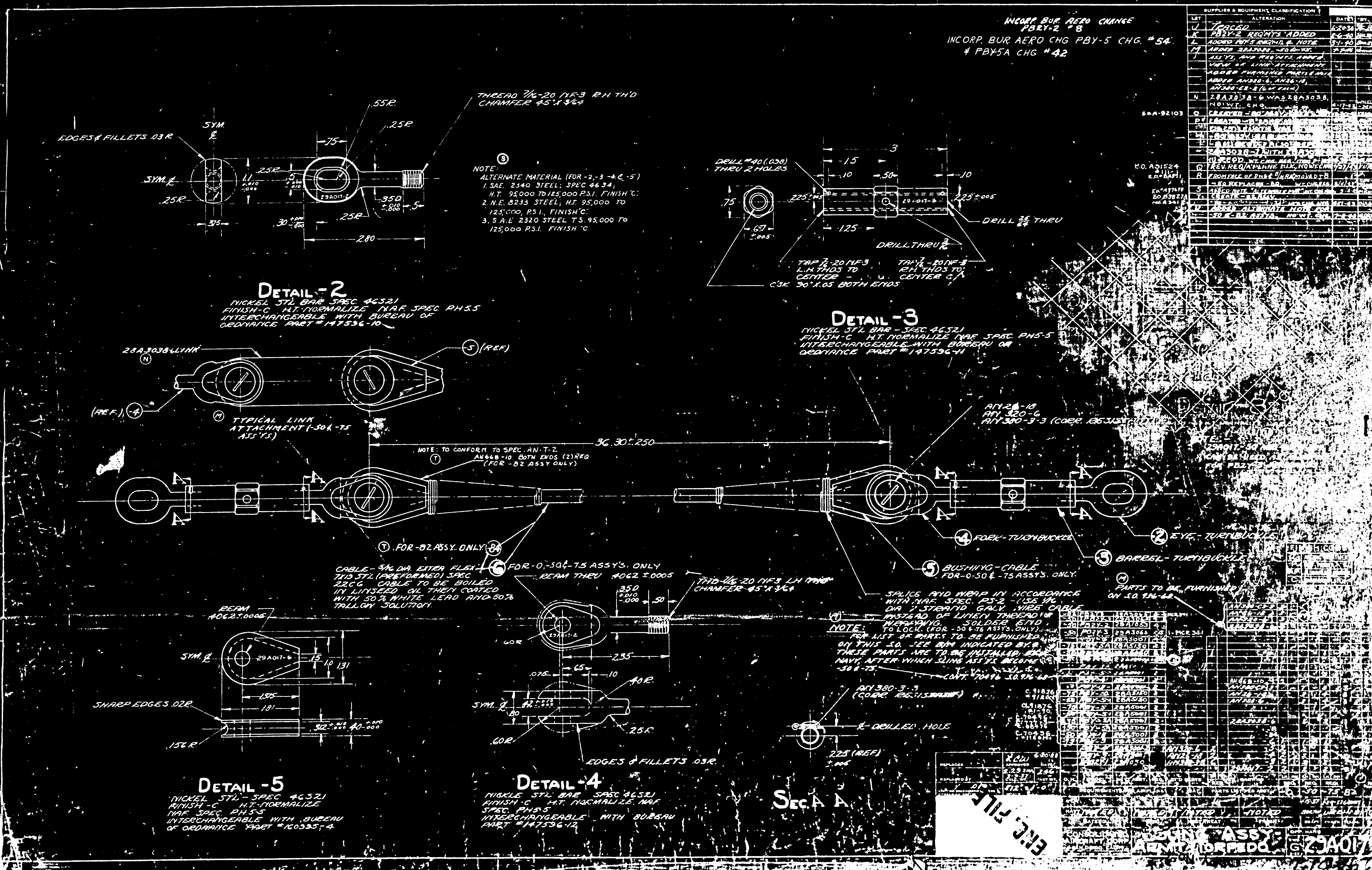
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

NAME: FINAL ASSEMBLY

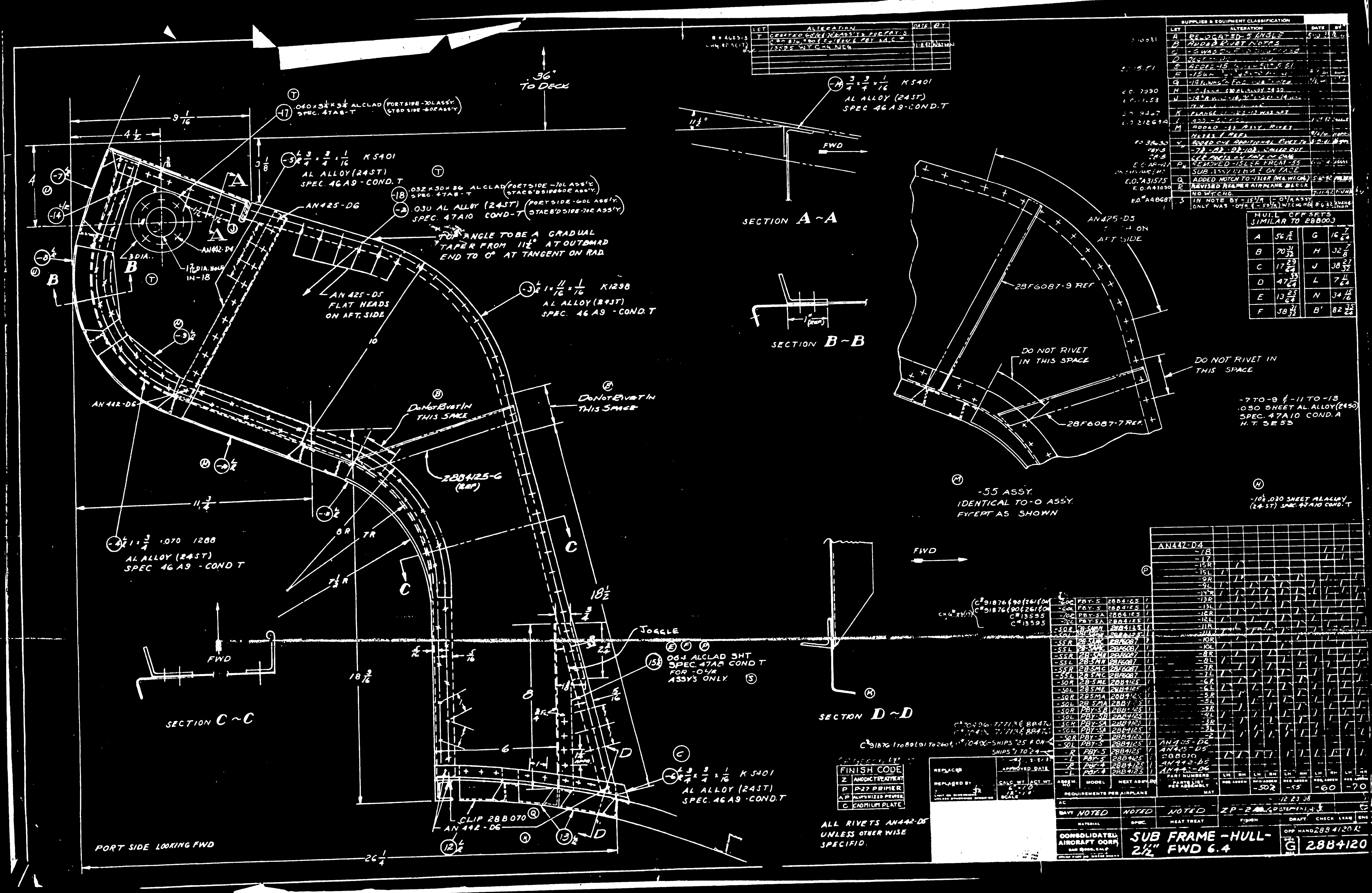
OPP HAND ——
DWG. G 28Z1025
SHEET 1 OF 2

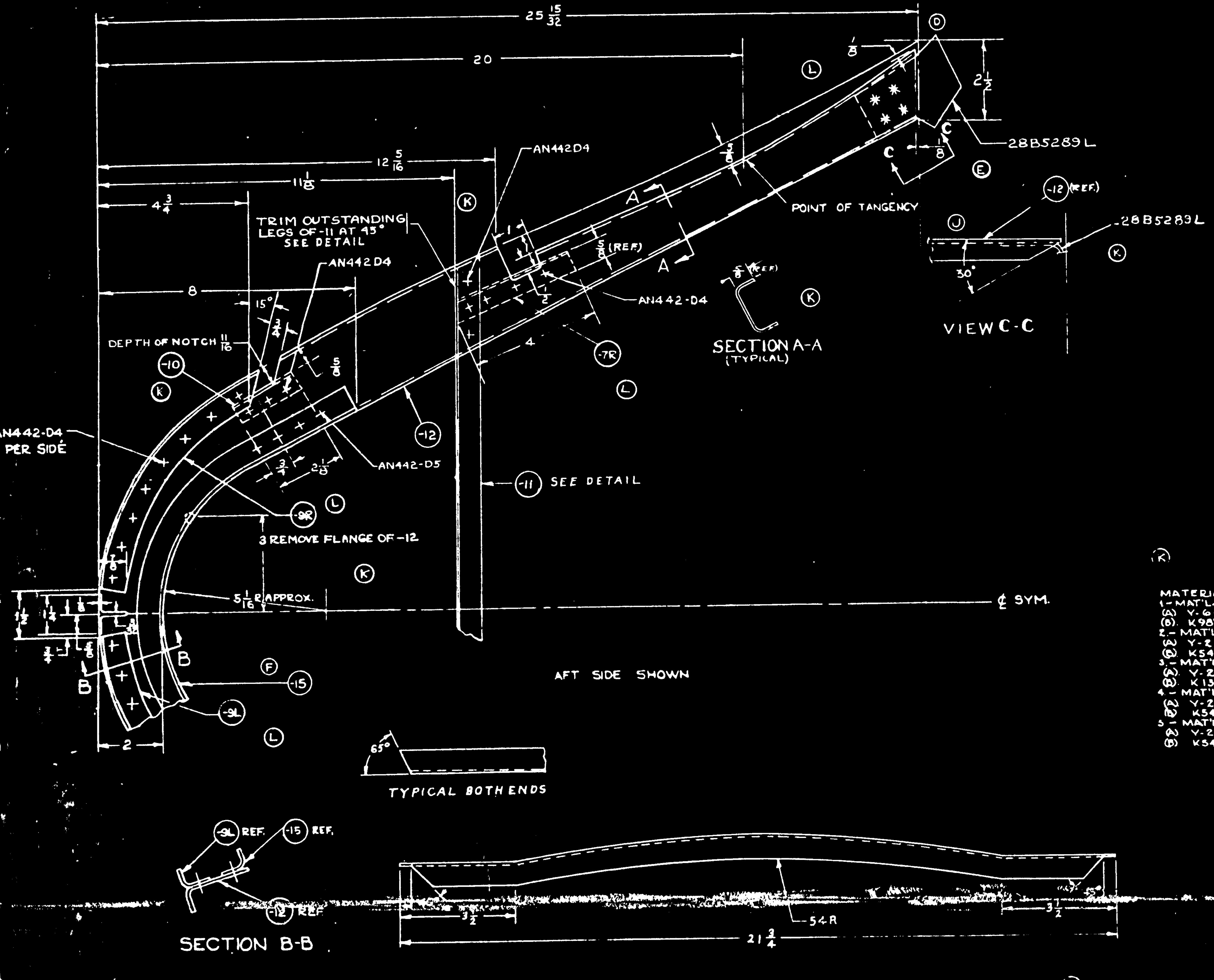


SUPPLIES & EQUIPMENT CLASSIFICATION
LET | ALTERATION | DATE | BY
A ADDED STAR INSIGNIA
B "SNUBBING POST PULLOUT" WAS SNUBBING POST SOCKET
C ADDED FINISH TO SHADED AREA
D ADDED NOTE FOR SERIAL NO. ON FIN 1-6-41
E.O. 28447
OVER SPECIFIED FINISH, PAINT THE AREA OVER TURRET TOP & SIDES FORWARD OF PILOTS ENCLOSURE WINDOW, EXCEPT PLEXIGLASS, WITH DULL BLACK LACQUER
28
DANGER PROPS
DANGER PROPS
STOP WALKWAY AS SHOWN-PAINT 2" RED LINE AT BOTH ENDS & CENTER BARS. PAINT IN 3" RED LETTERS "DANGER PROPS" BETWEEN WALKWAY AS SHOWN.
2 COATS BLACK LACQUER SMALTZ BLACK SAND 1 COAT BLACK LACQUER
WIDE SKIN REINF. PLATE (REF)
STA. 2
STA. 3.33
STA. 6.0
STA. 8.0
WALKWAYS ARE TO BE GIVEN TWO COATS OF BLACK PAINT OVER THE SPECIFIED HULL FINISH.
FOR WING INSIGNIA & MARKING SEE DWG 28W2192
FOR STABILIZER MARKING SEE DWG 28T2029
FINISH ENTIRE WALKING SURFACE OF MOORING PLATFORM EXCEPT CLEAT & ANCHOR CABLE GUIDE: 2 COATS BLACK LACQUER-SMALTZ BLACK SAND - 1 COAT BLACK LACQUER. SMALTZ BLACK SAND AS OBTAINED FROM W. P. FULLER CO, SAN DIEGO CALIF. OR EQUIV.
PAINT THIS STEP BLACK ON TOP
MARK "STEP PULLOUT"
MARK IN 1/2 LETTERS "FUEL UNIT" BOTH SIDES
MARK IN 1/2 LETTERS "MAIN FUEL TANK STRAINER" BOTH SIDES.
FOR RUDDER MARKING SEE DWG 28T5006
FOR FIN MARKING SEE DWG 28T5004
SERIAL NO. TO BE IN LINE WITH THE MODEL NO. ON THE RUDDER
MARK "STEP PULL OUT"
STAR INSIGNIA IN THIS AREA SEE DETAIL BELOW
MARK "SNUB POST SOCKET" PORT SIDE ONLY
MARK "SNUB POST PULLOUT"
DECK LINE
U. S. NAVY
MARK IN 1/2 LETTERS 3 PLACES "DO NOT PUSH HERE" BOTH SIDES.
71.94
NORMAL L.W.L. (24.042)
28.06 (REF)
36.64 (REF)
MARK IN 1/2 LETTERS "WING BOLT" BOTH SIDES
1) FOR NOMENCLATURE SEE 28Z5050 (REF)
2) TWO COATS OF BLACK PAINT OVER SPECIFIED FINISH ON ALL SNUBBING POSTS & PULL OUT STEPS
EXTERIOR SURFACE OF THE HULL ABOVE THIS LINE TO BE FINISHED WITH ONE COAT OF PRIMER & TWO COATS OF ALUMINUM PIGMENTED LACQUER. BELOW THIS LINE FINISH WITH ONE COAT OF P-27 PRIMER AND TWO COATS OF SILOSYN LACQUER
STENCIL IN BLACK 1" HIGH NUMERALS ON HULL - 3 ON PORT SIDE AS SHOWN & 1 ON STBD SIDE.
STENCIL IN BLACK 1" HIGH NUMERALS ON HULL - 4 ON PORT SIDE AS SHOWN & 2 ON STBD SIDE
PAINT IN BLACK - BOTH SIDES OF HULL - WIDTH OF EACH STROKE TO BE AT LEAST 1 3/4 WIDE.
MARK IN 1/2 LETTERS SEE 28E4020
ON EACH SIDE OF SHIP LOCATE A 3'-0" DIA. STAR INSIGNIA SO THAT ITS LOWER CIRCUMFERENCE IS APPROX. 4" ABOVE THE MOORING PLATFORM AND THE AFTER CIRCUMFERENCE IS TANGENT TO THE EDGE OF THE PILOT'S VENTILATOR AS SHOWN - NOTE: 3'-0" DIA TO BE MEASURED ON CONTOUR OF HULL.
PBY-5 28Z1025
1/4" = 1'-0"
SR2A
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
HULL MARKING DIAGRAM
G 28Z505



INCORP. BUR. AERO CHANGE PBY-2 #8
INCORP. BUR. AERO CHG. PBY-5 CHG. #54 & PBY-5A CHG. #42
THREAD 7/16-20 NF-3 R.H. TH'D. CHAMFER 45° X 3/64
EDGES & FILLETS .03 R.
NOTE: ALTERNATE MATERIAL (FOR -2, -3, -4 & -5)
1. SAE 2340 STEEL; SPEC 46S4; H.T. 95,000 TO 125,000 P.S.I. FINISH "C"
2. N.E. 8233 STEEL; H.T. 95,000 TO 125,000 P.S.I., FINISH "C"
3. S.A.E. 2320 STEEL T.S. 95,000 TO 125,000 P.S.I. FINISH "C"
DRILL #40 (.098) THRU 2 HOLES
DRILL 25/64 THRU
DRILL THRU 3/8
TAP 7/16-20 NF-3 L.H. THDS TO CENTER
TAP 7/16-20 NF-3 R.H. THDS TO CENTER
C'SK 90° X .05 BOTH ENDS
DETAIL - 2
NICKEL STL BAR SPEC 46S21 FINISH-C H.T. NORMALIZE NAF SPEC PH5-5 INTERCHANGEABLE WITH BUREAU OF ORDNANCE PART #147536-10
DETAIL - 3
NICKEL STL BAR - SPEC 46S21 FINISH-C H.T. NORMALIZE NAF SPEC PH5-5 INTERCHANGEABLE WITH BUREAU OF ORDNANCE PART #147536-11
28A3038-LINK
(REF.) 4
5 (REF)
TYPICAL LINK ATTACHMENT (-50 & -75 ASS'YS)
AN 26-18
AN 320-6
AN 380-3-3 (CORR. 126.315)
36.30 ± .250
NOTE: TO CONFORM TO SPEC. AN-T-2
AN 668-10 BOTH ENDS (2) REQ (FOR -82 ASSY ONLY)
FOR -82 ASSY ONLY
CABLE - 5/16 DIA EXTRA FLEX 7X19 STL (PREFORMED) SPEC 22C6 CABLE TO BE BOILED IN LINSEED OIL THEN COATED WITH 50% WHITE LEAD AND 50% TALLOW SOLUTION
FOR -0, -50 & -75 ASSY'S. ONLY
REAM THRU .4062 ± .0005
THD 7/16-20 NF3 LH THD CHAMFER 45° X 3/64
4 FORK - TURNBUCKLE
2 EYE - TURNBUCKLE
3 BARREL - TURNBUCKLE
5 BUSHING - CABLE FOR -0 -50 & -75 ASSY'S. ONLY
SPLICE AND WRAP IN ACCORDANCE WITH NAF. SPEC. P5-2 - (.156 DIA 7 STRAND GALV. WIRE CABLE INSTEAD OF LINEN THREAD FOR WRAPPING. SOLDER END TO LOCK. (FOR -50 & -75 ASSY'S ONLY)
PARTS TO BE FURNISHED ON S.O. 936-62
NOTE: FOR LIST OF PARTS TO BE FURNISHED ON THIS S.O. - SEE B/M INDICATED BY #. THESE PARTS ARE TO BE INSTALLED BY NAVY, AFTER WHICH SLING ASS'YS BECOME -50 & -75.
AN 380-3-3 (CORR. 126.315)
DRILLED HOLE
.225 (REF)
REAM .4062 ± .0005
SHARP EDGES .02 R.
EDGES & FILLETS .03 R.
DETAIL - 5
NICKEL STL - SPEC 46S21 FINISH -C H.T. NORMALIZE NAF SPEC PH5-5 INTERCHANGEABLE WITH BUREAU OF ORDNANCE PART #160335-4
DETAIL - 4
NICKEL STL BAR SPEC 46S21 FINISH-C H.T. NORMALIZE NAF SPEC PH5-5 INTERCHANGEABLE WITH BUREAU PART #147536-12
SEC A A
ENG. FILE
SLING ASSY - AERIAL TORPEDO
29A017


SECTION A ~ A
SECTION B ~ B
SECTION C ~ C
SECTION D ~ D
-55 ASSY.
IDENTICAL TO -0 ASSY.
EXCEPT AS SHOWN
DO NOT RIVET IN THIS SPACE
FINISH CODE
ALL RIVETS AN442-D5 UNLESS OTHER WISE SPECIFID.
PORT SIDE LOOKING FWD
CONSOLIDATED AIRCRAFT CORP.
SUB FRAME -HULL- 2½" FWD 6.4
28B4120



MATERIAL NOTES.
1 - MAT'L. FOR -7 L/R MAY BE-
(A) Y-6-A6T × 4 1/8, OR
(B) K9876 × 4 1/8, AL. AL. EXTR. SPEC. QQ-A-354-T.
2 - MAT'L. FOR -9 L/R MAY BE-
(A) Y-2-A28T × 9, OR
(B) K5401 × 9, AL. AL. EXTR., SPEC. QQ-A-354-T.
3 - MAT'L. FOR -10 MAY BE-
(A) Y-2-A20T × 2 1/4, OR
(B) K13624 × 2 1/4, AL. AL. EXTR., SPEC. QQ-A-354-T.
4 - MAT'L. FOR -11 MAY BE-
(A) Y-2-A28T × 22, OR
(B) K5401 × 22, AL. AL. EXTR. SPEC. QQ-A-354-T.
5 - MAT'L. FOR -15 MAY BE-
(A) Y-2-A28T × 18, OR
(B) K5401 × 18, AL. AL. EXTR. SPEC. QQ-A-354-T.

NOTES:
1.-CONTOUR TO BE DETERMINED BY LOFT.
2.-FIT & RIVET 28B5289L/R IN PLACE ON ASSEMBLY WITH HULL.

LET	ALTERATION	DATE	BY
	-10(2) WAS -10(1) NO WT CHG	5-15-	
	FACE ADDED RIVET SIZE AN442D5 (NO WT CHG)	2-20-	
K	28B5289 L/R WAS -16 L/R ADDED 3 DIM. & NOTE: "REMOVE FLANGE OF -12" ADDED (REF) TO 1/8 DIM. (VIEW C-C. NO WT. CHG. NEG.	8-1-43	
L	-9L WAS 9R -9R WAS -9L & -7R WAS -7L DOTTED LINE WAS SOLID ON PLAN VIEW OF 28B5289L. NO WT. CHG.	8-1-43	
M	ADDED DETAIL OF -11 TO FACE OF DRAWING. NO WT. CHG.	9-10-43	
N	IN B/M FOR -7 L/R "NOTED" WAS "Y-6-A6T × 4 1/8", -9 L/R "NOTED" WAS "Y-2 A28T × 9", -10 "NOTED" WAS "Y-2-A20T × 2 1/4", -11 "NOTED" WAS "Y-2-A28T × 22", -15 "NOTED" WAS "Y-2-A28T × 18" TO FACE ADDED MAT'L NOTES 1 TO 5 NO WT CHG	10-19-43	

LET	ALTERATION	DATE	BY
C	REDRAWN	3-17-43	
D	REMOVED 28B1173-8, -9, -12, & -13 & NOTE "FIT---HULL." ADDED -13 L/R. WT. CHG. NEG.	3-17-43	
E	REMOVED -13 L/R. ADDED -16 L/R & NOTE "FIT---HULL." WT. CHG. NEG.	3-17-43	
F	ADDED CUTOUT TO INNER FLANGE OF -12. ADDED -15 WT. INCREASE .15	3-17-43	
G	IN B/M FOR -7 L/R REPLACED "K9876 × 4 1/8 AL. AL. EXTR. 46A9-T" WITH "Y-6-A6T × 4 1/8" FOR -9 L/R REPLACED "K5401 × 9 AL. AL. EXTR. 46A9-T" WITH "Y-2-A28T × 9" FOR -10 REPLACED K13624 × 2 1/4 AL. AL. EXTR. 46A9-T" WITH "Y-2-A20T × 2 1/4" FOR -11 REPLACED "K5401 × 22, AL. AL. EXT. 46A9-T" WITH "Y-2-A28T × 22" REPLACED FOR -15 "K5401 × 18, AL. AL. EXT. 46A9-T" WITH "Y-2-A2 T × 18"	4-9-4	

PART NO	STOCK	MATERIAL	SPEC.
AN442D5			
AN442D4			
28B5289L			
28B5289R			
-15	NOTED	NOTED	NOTED
-12	.040 × 27 × 36	ALCLAD	47A8-T
-11	NOTED	NOTED	NOTED
-10	NOTED	NOTED	NOTED
-9R			
-9L			
-7R			
-7L	NOTED	NOTED	NOTED

PARTS LIST PER ASSY.

MODEL	NEXT ASSY	REQ.
PBY-5A	28B5076	1
PBY-5	28B5076	1

MCR 178-12
MCR 23-15

REQUIREMENTS PER AIRPLANE

REPLACES 28B5065 OF 6/18/42 — CALC. WT. 4.67
REPLACED BY
SCALE 6"=1'-0"
± 1/32
STAMP PART NUMBER WHERE SHOWN

APPROVED FOR TOOLING BY
E. E. Dalton
4-21-43
Change 4

ENG. FILE

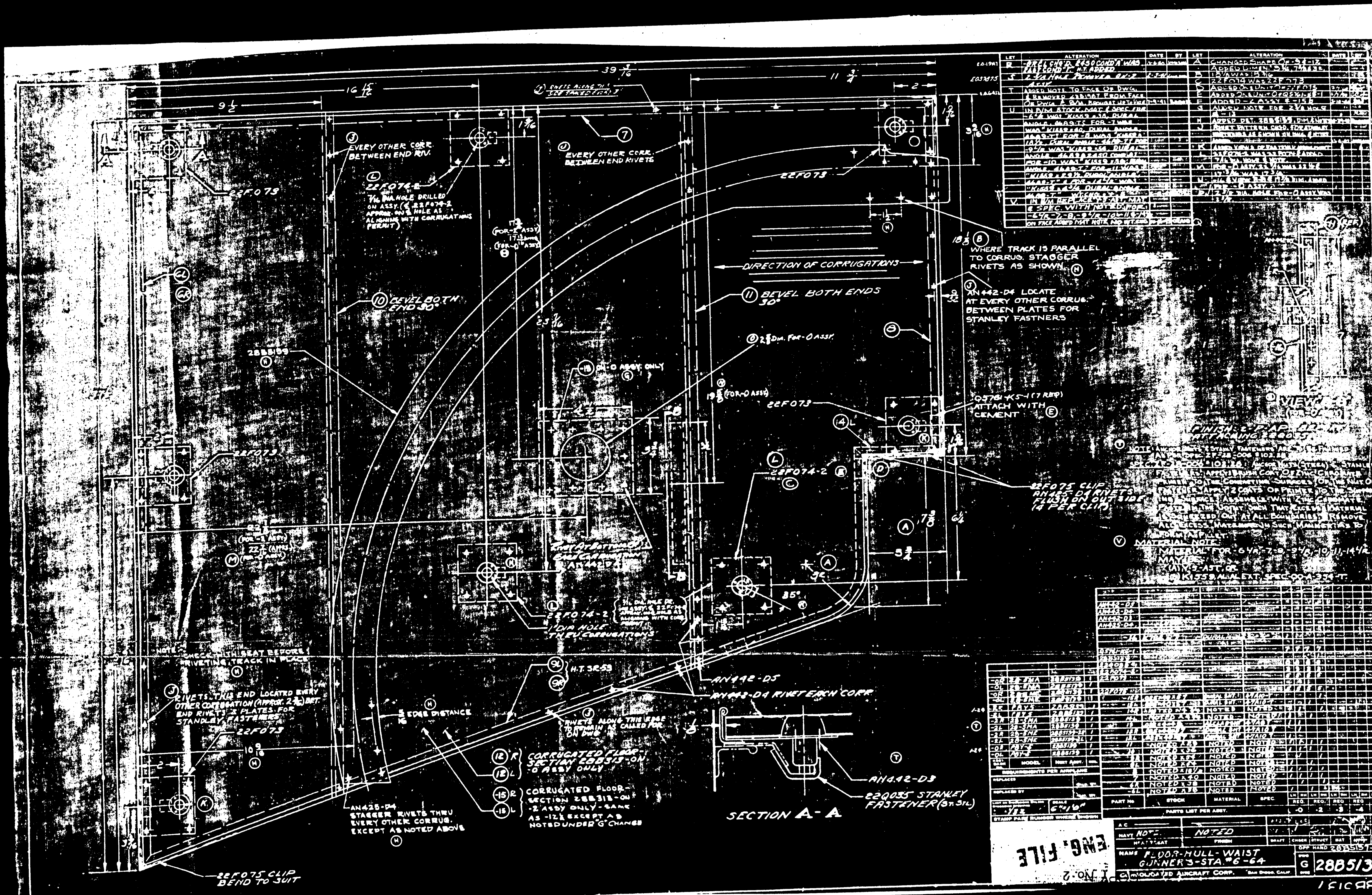
NAVY NONE — FINISH Z-P-GP
HEAT TREAT
DRAFT GALIZA

NAME FORMER- HULL - LOWER FIN-UPPER-DIAGONAL

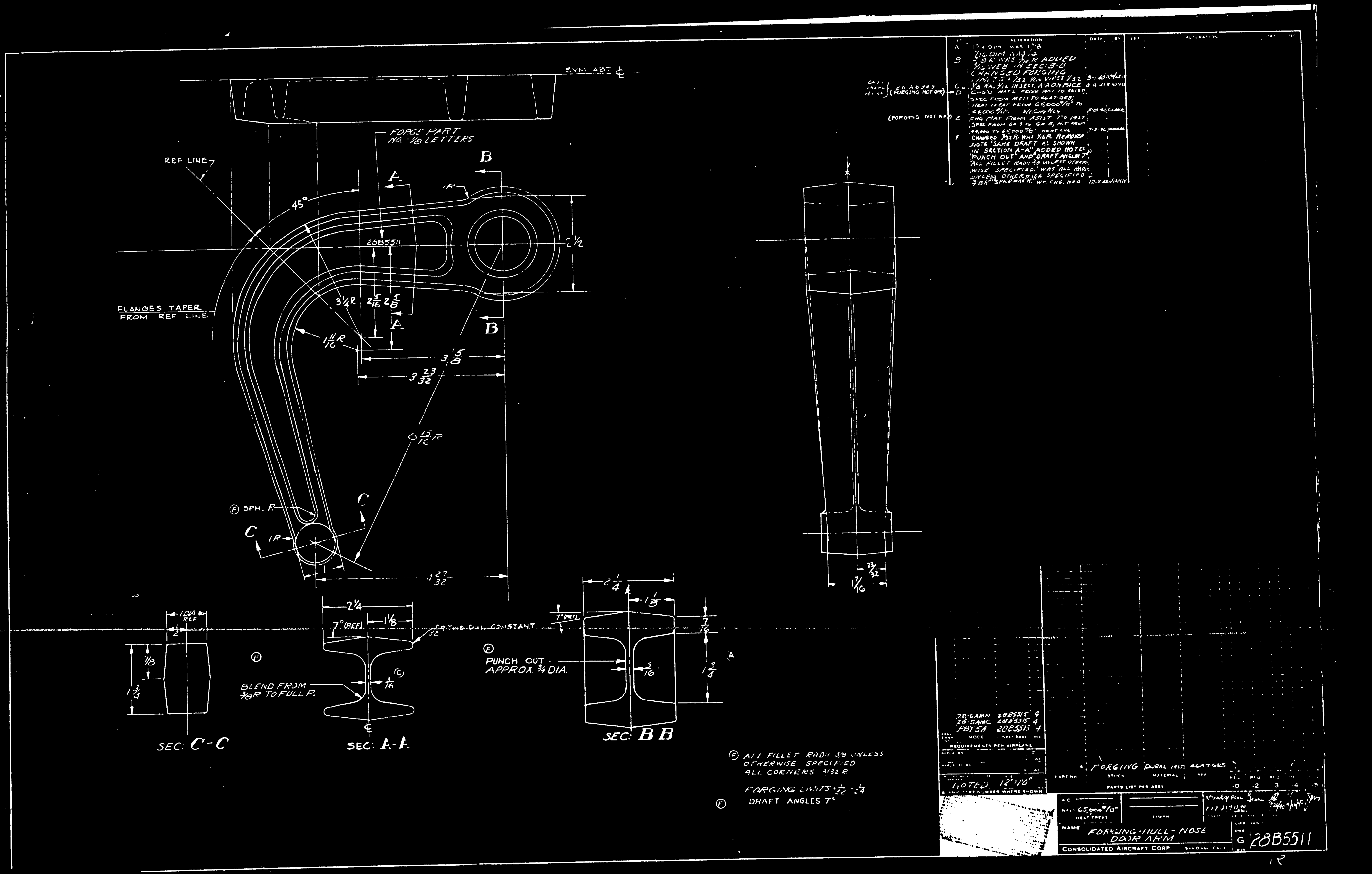
G 28B5065

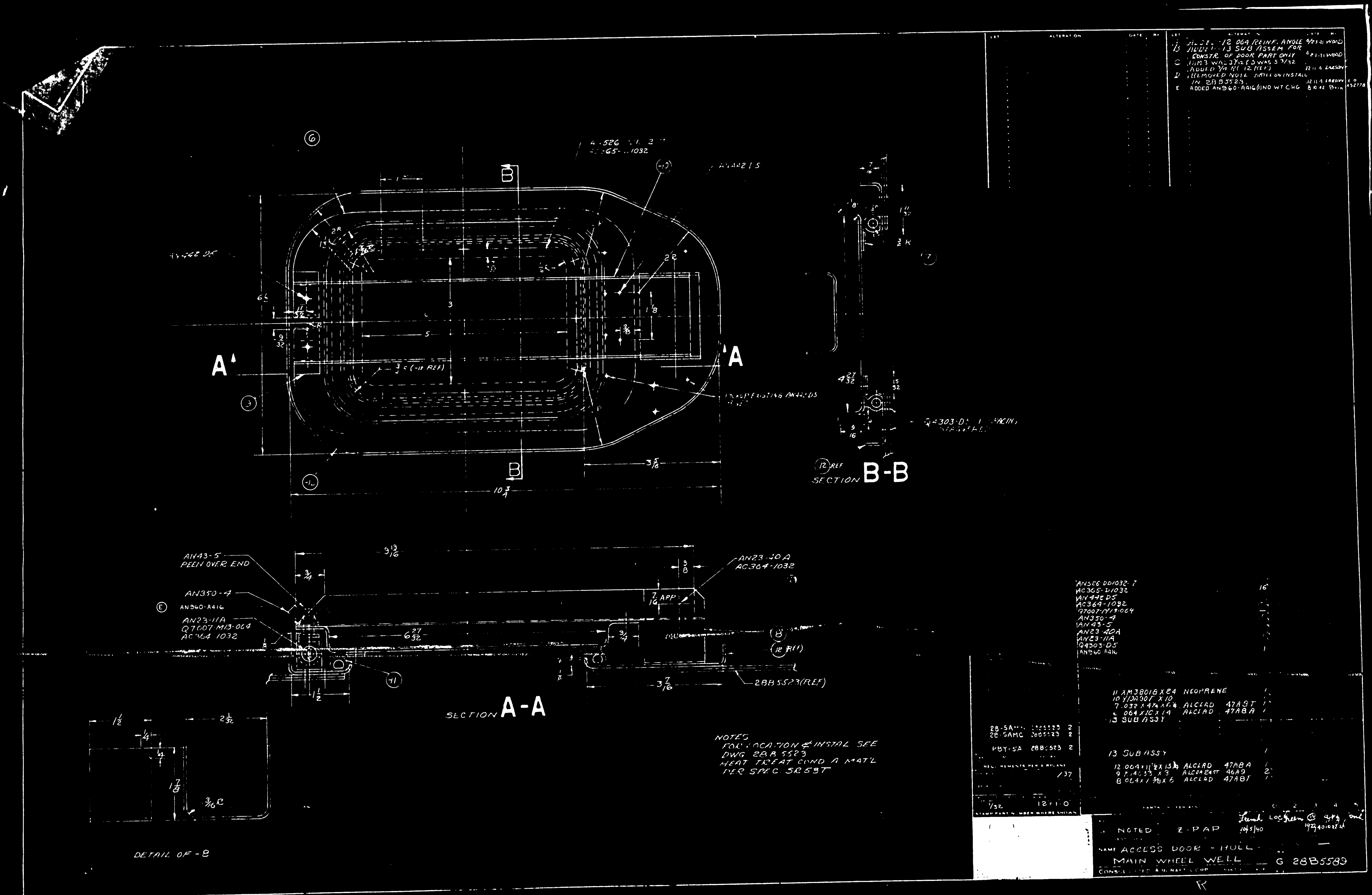
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

28B5065

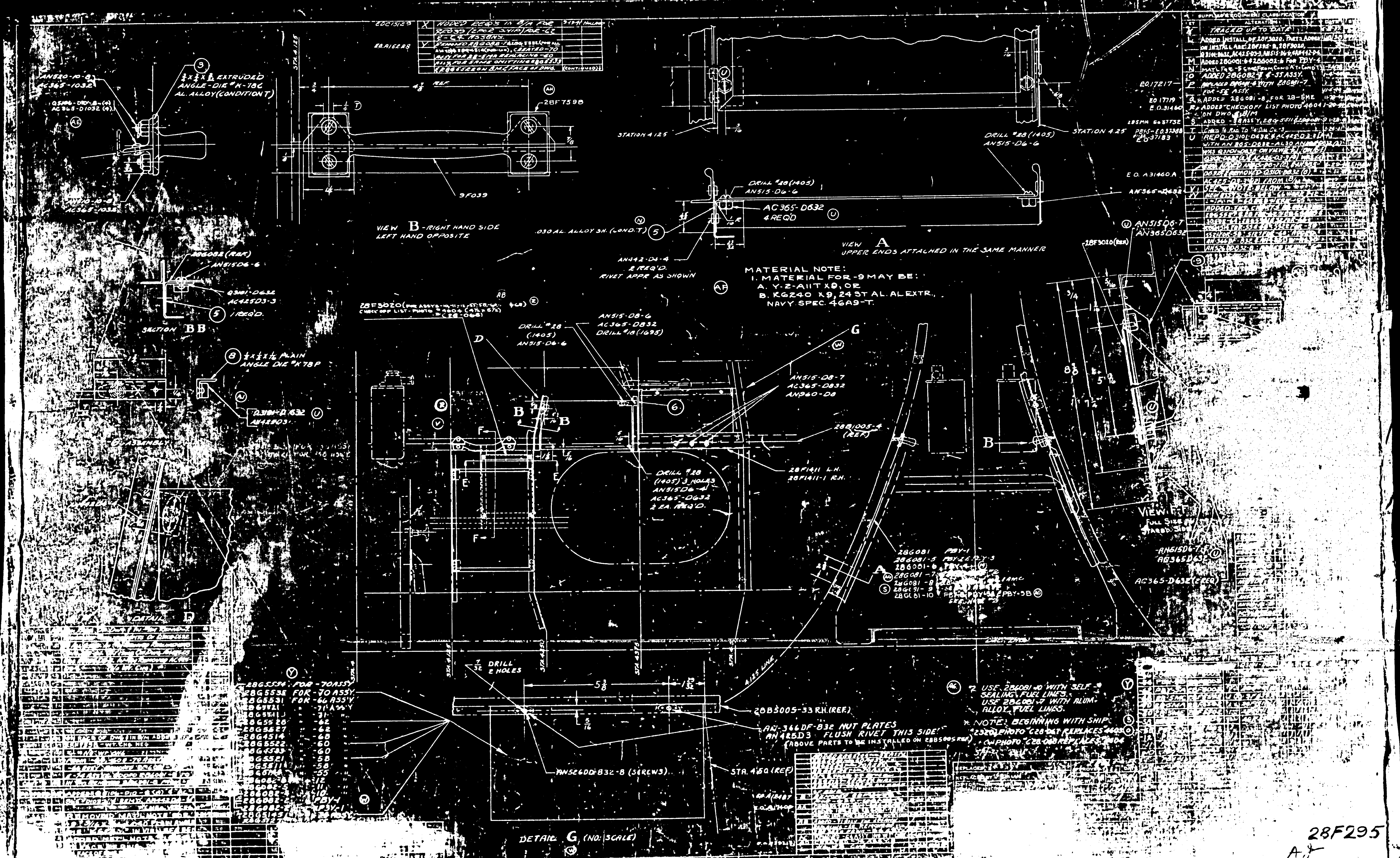


EVERY OTHER CORR. BETWEEN END RIV.
EVERY OTHER CORR. BETWEEN END RIVETS
22F074-2
22F073
DIRECTION OF CORRUGATIONS
WHERE TRACK IS PARALLEL TO CORRUG. STAGGER RIVETS AS SHOWN.
AN442-D4 LOCATE AT EVERY OTHER CORRUG. BETWEEN PLATES FOR STANLEY FASTNERS
BEVEL BOTH END 30°
BEVEL BOTH ENDS 30°
ATTACH WITH CEMENT
22F075 CLIP AN425-D4 RIVETS FLUSH ON OUTSIDE (4 PER CLIP)
THRU CORRUGATIONS
AN442-D5
AN442-D4 RIVET EACH CORR.
RIVETS THIS END LOCATED EVERY OTHER CORRUGATION END RIVETS 2 PLATES FOR STANLEY FASTENERS
EDGE DISTANCE
CORRUGATED FLOOR-SECTION 28B313-ON -0 ASSY ONLY
CORRUGATED FLOOR-SECTION 28B312-ON -2 ASSY ONLY
AN425-D4 STAGGER RIVETS THRU EVERY OTHER CORRUG. EXCEPT AS NOTED ABOVE
AN442-D3
22Q035 STANLEY FASTENER
SECTION A-A
22F075 CLIP BEND TO SUIT
MATERIAL NOTE
ENG. FILE
FLOOR-HULL-WAIST GUNNER'S-STA. #6-64
CONSOLIDATED AIRCRAFT CORP.
28B5137

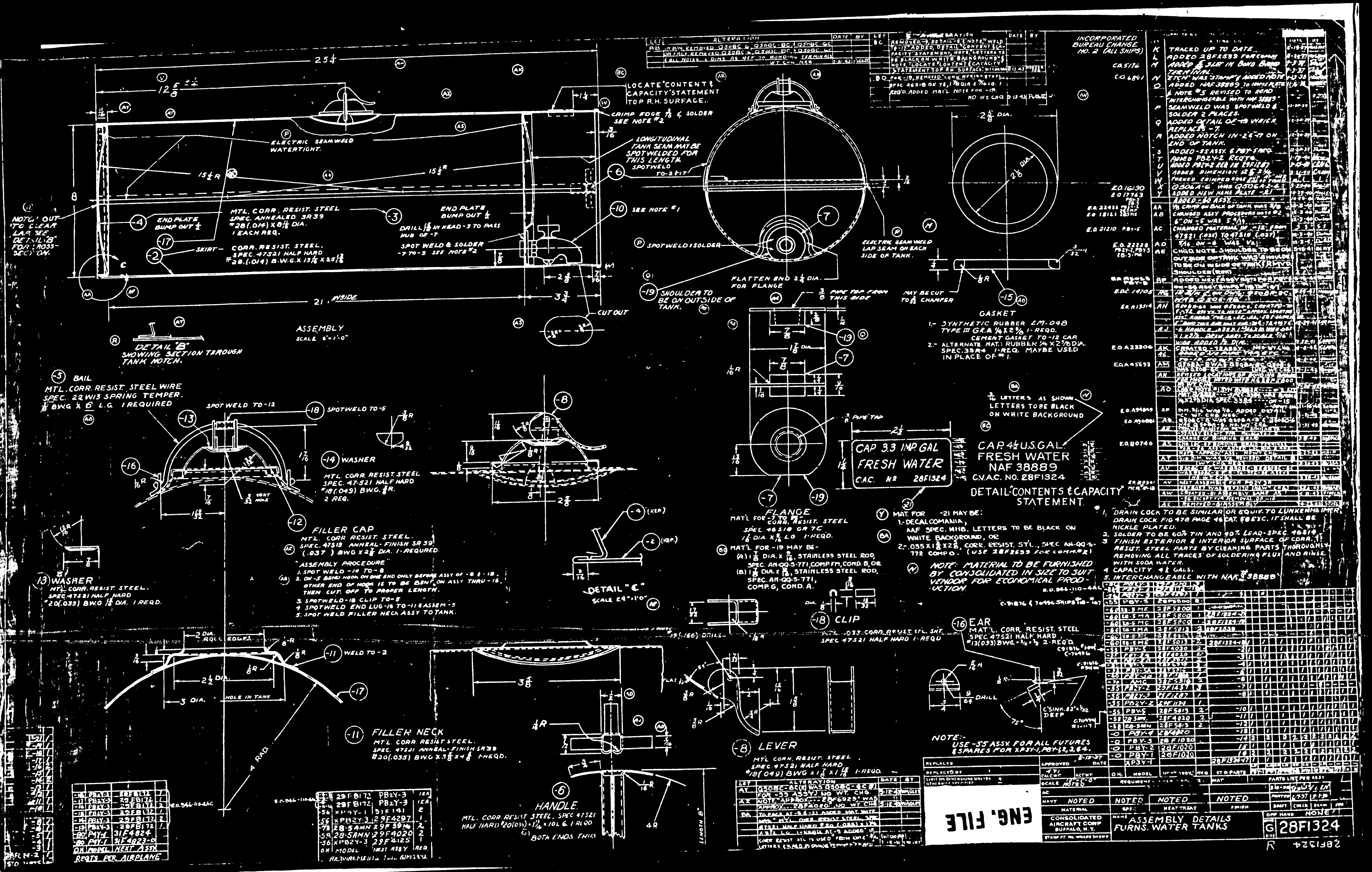

SYM ABT ℄
FORGE PART NO. 1/8 LETTERS
REF LINE
45°
28B5511
2½
3¼R 2 5/16 2 5/8
FLANGES TAPER FROM REF LINE
1 11/16 R
3 5/8
3 23/32
6 15/16 R
Ⓕ SPH. R
1R
1 27/32
1 DIA REF
1/8
1 3/4
SEC: C-C
2¼
1⅛
7° (REF)
1/32 R THRU OUT CONSTANT
BLEND FROM 3/8R TO FULL R.
3/16
SEC: A-A
Ⓕ PUNCH OUT APPROX. ¾ DIA.
2¼
1⅛
7° (REF)
7/16
3/16
1 3/4
SEC: BB
23/32
1 7/16
Ⓕ ALL FILLET RADII 3/8 UNLESS OTHERWISE SPECIFIED ALL CORNERS 3/32 R
FORGING LIMITS +1/32 -1/64
Ⓕ DRAFT ANGLES 7°
ALTERATION
A 1 3/4 DIM WAS 1 7/8
7/16 DIM WAS 1/2
B 3/8R WAS 3/16R ADDED 3/16 WEB IN SEC B-B
CHANGED FORGING LIMITS +1/32 -1/64 WAS ±1/32 9-1-40
C 1/8 WAS 3/16 IN SECT. A-A ON FACE 5-16-41
D CHG'D MAT'L FROM 14ST TO A51ST; SPEC FROM M217 TO 46A7-GR3; HEAT TREAT FROM 65,000 #/□" TO 44,000 #/□". WT. CHG NEG. CLARK
E CHG MAT FROM A51ST TO 14ST. SPEC FROM GR 3 TO GR 5, H.T. FROM 44,000 TO 65,000 #/□" NO WT CHG 7-3-42
F CHANGED 3/32R. WAS 1/16R. REMOVED NOTE "SAME DRAFT AS SHOWN IN SECTION A-A" ADDED NOTES "PUNCH OUT" AND "DRAFT ANGLES 7°". "ALL FILLET RADII 3/8 UNLESS OTHERWISE SPECIFIED." WAS "ALL RADII UNLESS OTHERWISE SPECIFIED 3/8R" "SPH.R WAS R." WT. CHG. NEG 12-2-42 JAHN
(FORGING NOT AFF.)
28-6AMN 28B5515 4
28-5AMC 28B5515 4
PBY5A 28B5515 4
MODEL NEXT ASSY
REQUIREMENTS PER AIRPLANE
NOTED 12" = 1'0"
FORGING DURAL 14ST 46A7-GR5
PART NO. STOCK MATERIAL SPEC
PARTS LIST PER ASSY
NAVY 65,000 #/□"
HEAT TREAT
FINISH
NAME FORGING-HULL-NOSE DOOR ARM
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
G 28B5511

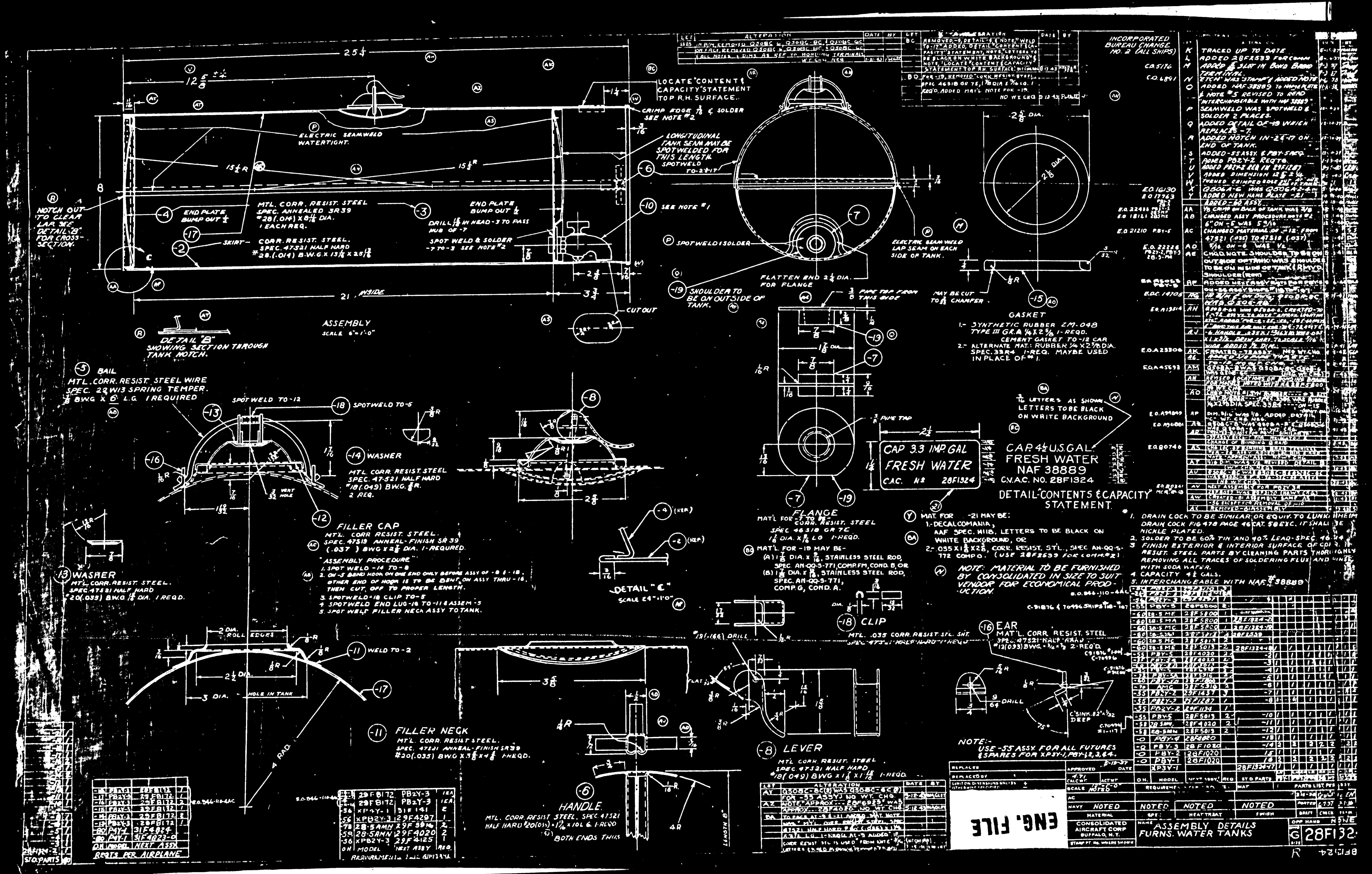


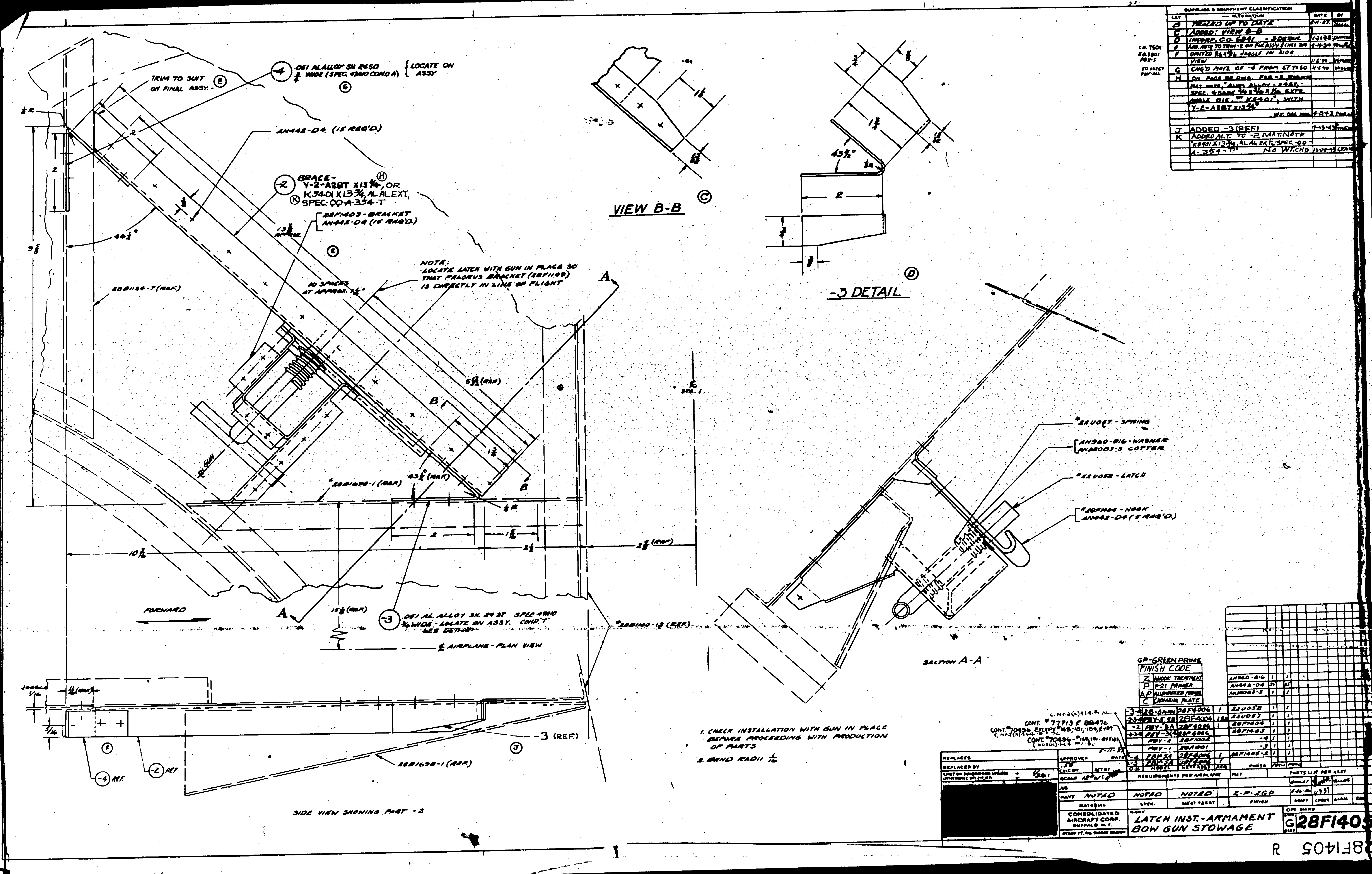
ACCESS DOOR - HULL - MAIN WHEEL WELL
G 28B5589
NOTED
Z-PAP
10/5/40
CONSOLIDATED AIRCRAFT CORP
SECTION A-A
SECTION B-B
DETAIL OF -8
NOTES
FOR LOCATION & INSTAL SEE DWG 28B5523
HEAT TREAT COND A MAT'L PER SPEC SR53T
E ADDED AN960-A416(1) NO WT CHG 8 10 42
D REMOVED NOTE DRILL ON INSTALL IN 28B5523.
13 SUB ASSY
12 .064 x 11 1/2 x 15 3/4 ALCLAD 47A8A
8 .064 x 1 3/8 x 6 ALCLAD 47A8T
11 XM38018 x 24 NEOPRENE
28-5AMC 28B5523 2
PBY-5A 28B5523 2
AN43-5 PEEN OVER END
AN350-4
AN960-A416
AN23-11A
Q7007-M13-064
AC364-1032
AN23-40A
AC364-1032
28B5523(REF)

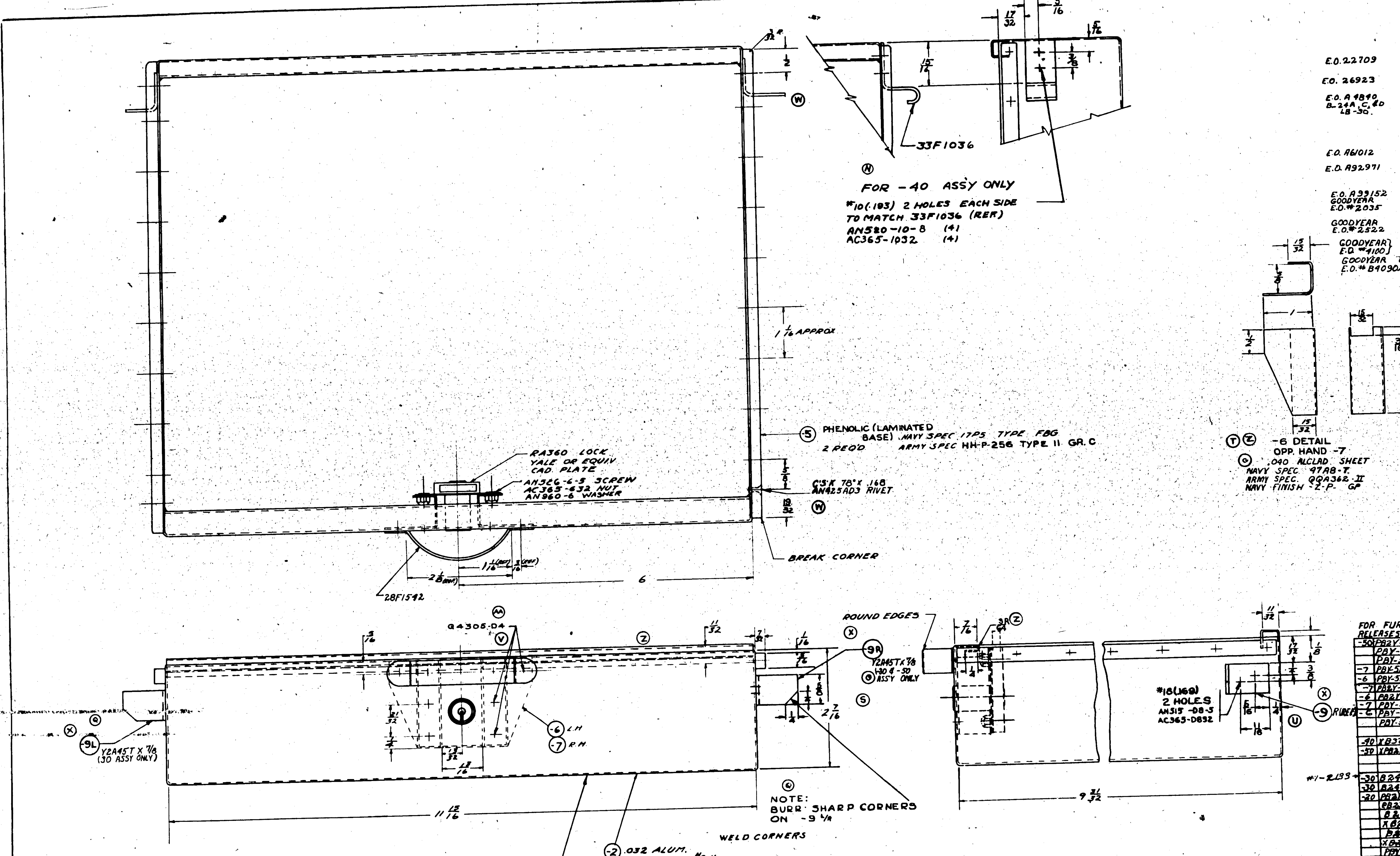


VIEW B - RIGHT HAND SIDE
LEFT HAND OPPOSITE
SECTION BB
VIEW A
UPPER ENDS ATTACHED IN THE SAME MANNER
MATERIAL NOTE:
1. MATERIAL FOR -9 MAY BE:
A. Y-Z-A11T X9, OR
B. KG240 X9, 24 ST AL. AL EXTR.,
NAVY SPEC. 46A9-T.
STATION 4.125
STATION 4.25
DRILL #28 (1405)
AN515-D6-6
AC365-D632
4 REQ'D
AN442-D4-4
2 REQ'D.
RIVET APPR AS SHOWN
.030 AL. ALLOY SH. (COND. T)
28F7598
9F039
28B1005-4 (REF)
28F1411 L.H.
28F1411-1 R.H.
AN515-D8-7
AC365-D832
AN960-D8
AC365-D632 (2 REQ)
28B5005-33 R.H. (REF.)
AN-366DF-832 NUT PLATES
AN426D3 FLUSH RIVET THIS SIDE
(ABOVE PARTS TO BE INSTALLED ON 28B5005 REF)
AN526DD-832-8 (SCREWS)
STA. 4.50 (REF)
DETAIL G (NO SCALE)
USE 28G081-10 WITH SELF SEALING FUEL LINES.
USE 28G081-7 WITH ALUM. ALLOY FUEL LINES.
NOTE: BEGINNING WITH SHIP
28F295


ASSEMBLY
SCALE 6"=1'-0"
LOCATE "CONTENT & CAPACITY" STATEMENT TOP R.H. SURFACE.
CRIMP EDGE & SOLDER SEE NOTE #2
LONGITUDINAL TANK SEAM MAY BE SPOTWELDED FOR THIS LENGTH.
ELECTRIC SEAMWELD WATERTIGHT.
MTL. CORR. RESIST. STEEL SPEC. ANNEALED SR39 #28(.014) X 8 1/4 DIA. 1 EACH REQ.
END PLATE BUMP OUT 1/2
CORR. RESIST. STEEL. SPEC. 47521 HALF HARD #28.(.014) B.W.G. X 13 7/8 X 25 1/8
SPOT WELD & SOLDER -7 TO -3 SEE NOTE #2
SEE NOTE #1
NOTCH OUT TO CLEAR LAP SEE "DETAIL B" FOR CROSS SECTION.
DETAIL "B" SHOWING SECTION THROUGH TANK NOTCH.
CUT OUT
SPOTWELD & SOLDER
ELECTRIC SEAMWELD LAP SEAM ON EACH SIDE OF TANK.
FLATTEN END 2 1/4 DIA. FOR FLANGE
SHOULDER TO BE ON OUTSIDE OF TANK.
GASKET
1.- SYNTHETIC RUBBER ZM-048 TYPE III GR.A 1/4 X 2 5/8 1-REQD. CEMENT GASKET TO -12 CAP.
2.- ALTERNATE MAT.: RUBBER 1/16 X 2 5/8 DIA. SPEC. 33R4 1-REQ. MAYBE USED IN PLACE OF #1.
LETTERS AS SHOWN. LETTERS TO BE BLACK ON WHITE BACKGROUND
CAP 3.3 IMP. GAL FRESH WATER C.A.C. No 28F1324
CAP 4 1/2 U.S.GAL. FRESH WATER NAF 38889 C.V.A.C. NO. 28F1324
DETAIL-CONTENTS & CAPACITY STATEMENT.
(5) BAIL
MTL. CORR. RESIST. STEEL WIRE SPEC. 22W13 SPRING TEMPER. 1/8 BWG X 6 L.G. 1 REQUIRED
(14) WASHER
MTL. CORR. RESIST. STEEL SPEC. 47-521 HALF HARD #18(.049) BWG. 2 REQ.
FILLER CAP
MTL. CORR. RESIST. STEEL. SPEC. 47518 ANNEAL-FINISH SR 39 (.037) BWG X 2 3/4 DIA. 1-REQUIRED.
"ASSEMBLY PROCEDURE"
1. SPOT WELD -14 TO -8
3. SPOTWELD -18 CLIP TO -5
4. SPOTWELD END LUG -16 TO -11 ASSEM -5
5. SPOT WELD FILLER NECK ASSY TO TANK.
(13) WASHER
MTL. CORR. RESIST. STEEL. SPEC. 47521 HALF HARD #20(.035) BWG. 1 REQD.
DETAIL "C"
SCALE 24"=1'-0"
FLANGE
MAT'L FOR -7 TO BE CORR. RESIST. STEEL SPEC. 46S18 GR 7C
MAT'L FOR -19 MAY BE-
(18) CLIP
(16) EAR
MAT'L. CORR. RESIST. STEEL SPEC. 47521 HALF HARD #13(.093) BWG. 2-REQ'D.
MAT. FOR -21 MAY BE:
1.- DECALCOMANIA, AAF SPEC. LETTERS TO BE BLACK ON WHITE BACKGROUND, OR
NOTE: MATERIAL TO BE FURNISHED BY CONSOLIDATED IN SIZE TO SUIT VENDOR FOR ECONOMICAL PRODUCTION.
1. DRAIN COCK TO BE SIMILAR OR EQUIV. TO LUNKENHEIMER DRAIN COCK FIG 478 PAGE 46 CAT. 78 EXC. IT SHALL BE NICKLE PLATED.
2. SOLDER TO BE 60% TIN AND 40% LEAD-SPEC. 46S19
3. FINISH EXTERIOR & INTERIOR SURFACE OF CORR. RESIST. STEEL PARTS BY CLEANING PARTS THOROUGHLY, REMOVING ALL TRACES OF SOLDERING FLUX AND RINSE WITH SODA WATER.
4. CAPACITY 4 1/2 GALS.
5. INTERCHANGEABLE WITH NAF 38889
(11) FILLER NECK
MTL. CORR. RESIST. STEEL. SPEC. 47521 ANNEAL-FINISH SR39 #20(.035) BWG X 3 5/8 X 4 1/8 1-REQD.
HOLE IN TANK
(8) LEVER
MTL. CORR. RESIST. STEEL SPEC. 47521 HALF HARD #18(.049) BWG
(6) HANDLE
MTL. CORR. RESIST. STEEL, SPEC. 47521 HALF HARD
BOTH ENDS THUS
NOTE:- USE -55 ASSY FOR ALL FUTURES & SPARES FOR XP3Y-1, PBY-1, 2, 3, & 4.
REQTS PER AIRPLANE
ENG. FILE
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
ASSEMBLY DETAILS FURNS. WATER TANKS
28F1324


ASSEMBLY
SCALE 6"=1'-0"
LOCATE "CONTENT & CAPACITY" STATEMENT TOP R.H. SURFACE.
ELECTRIC SEAMWELD WATERTIGHT.
LONGITUDINAL TANK SEAM MAY BE SPOTWELDED FOR THIS LENGTH
NOTCH OUT TO CLEAR LAP. SEE DETAIL "B" FOR CROSS-SECTION.
MTL. CORR. RESIST. STEEL SPEC. ANNEALED SR39 #28(.014) X 8 1/4 DIA. 1 EACH REQ.
CORR. RESIST. STEEL. SPEC. 47S21 HALF HARD #28(.014) B.W.G. X 13 1/4 X 25 1/4
DETAIL "B" SHOWING SECTION THROUGH TANK NOTCH.
BAIL
MTL. CORR. RESIST. STEEL WIRE SPEC. 22W13 SPRING TEMPER. 1/8 BWG X 6 L.G. 1 REQUIRED
WASHER
FILLER CAP
FILLER NECK
HANDLE
DETAIL "C"
FLANGE
CLIP
LEVER
EAR
GASKET
CAP 3.3 IMP. GAL FRESH WATER C.A.C. No 28F1324
CAP. 4 1/2 U.S. GAL. FRESH WATER NAF 38889 C.V.A.C. NO. 28F1324
DETAIL "CONTENTS & CAPACITY" STATEMENT
1. DRAIN COCK TO BE SIMILAR OR EQUIV. TO LUNKENHEIMER DRAIN COCK FIG 478 PAGE 46 CAT. 58 EXC. IT SHALL BE NICKLE PLATED.
2. SOLDER TO BE 60% TIN AND 40% LEAD - SPEC. 46 ...
3. FINISH EXTERIOR & INTERIOR SURFACE OF CORR. RESIST. STEEL PARTS BY CLEANING PARTS THOROUGHLY REMOVING ALL TRACES OF SOLDERING FLUX AND RINSE WITH SODA WATER.
4. CAPACITY 4 1/2 GALS.
5. INTERCHANGEABLE WITH NAF 38889
NOTE: MATERIAL TO BE FURNISHED BY CONSOLIDATED IN SIZE TO SUIT VENDOR FOR ECONOMICAL PRODUCTION.
NOTE:- USE -55 ASSY FOR ALL FUTURES & SPARES FOR XP3Y-1, PBY-1,2,3,&4.
ENG. FILE
CONSOLIDATED AIRCRAFT CORP BUFFALO, N.Y.
ASSEMBLY DETAILS FURNS. WATER TANKS
28F1324


SUPPLIES & EQUIPMENT CLASSIFICATION
LET — ALTERATION DATE BY
B TRACED UP TO DATE
C ADDED: VIEW B-B
D INCORP. C.O. 6841 - 3 DETAIL
E ADD. NOTE TO TRIM -2 ON FIN. ASSY
F OMITED JOGGLE IN SIDE VIEW 11-5-40
G CHG'D MATL OF -4 FROM ST TO SO 11-5-40
H ON FACE OF DWG. FOR -2 REPLACE MAT. NOTE "ALUM ALLOY - 24ST - SPEC. ANGLE DIE. "K5401", WITH Y-2-A28T X 13¾" 4-8-43
J ADDED -3 (REF) 7-13-43
K ADDED ALT. TO -2 MAT. NOTE "K5401 X 13¾, AL AL EXT., SPEC. QQ-A-354-T" NO WT. CHG 10-28-43
TRIM TO SUIT ON FINAL ASSY. - E
-4 .051 AL ALLOY SH. 24SO ¾ WIDE (SPEC. 47A10 COND A) LOCATE ON ASSY G
AN442-D4 (15 REQ'D.)
-2 BRACE - Y-2-A28T X 13¾, OR K5401 X 13¾, AL.AL.EXT, SPEC. QQ-A-354-T H K
28F1403 - BRACKET
AN442-D4 (15 REQ'D.)
10 SPACES AT APPROX. 1¼
NOTE: LOCATE LATCH WITH GUN IN PLACE SO THAT PELORUS BRACKET (28F1109) IS DIRECTLY IN LINE OF FLIGHT
28B1124-7 (REF.)
28B1698-1 (REF.)
28B1100-13 (REF.)
FORWARD
-3 .051 AL. ALLOY SH. 24 ST SPEC. 47A10 ¾ WIDE - LOCATE ON ASSY. COND. T SEE DETAIL
℄ AIRPLANE - PLAN VIEW
℄ GUN
VIEW B-B
-3 DETAIL
#22U057 - SPRING
AN960-816 - WASHER
AN380B3-3 COTTER
#22U058 - LATCH
#28F1404 - HOOK
AN442-D4 (5 REQ'D.)
SECTION A-A
JOGGLE 1/16
-3 (REF)
-4 REF.
-2 REF.
28B1698-1 (REF)
SIDE VIEW SHOWING PART -2
1. CHECK INSTALLATION WITH GUN IN PLACE BEFORE PROCEEDING WITH PRODUCTION OF PARTS
2. BEND RADII 1/16
GP-GREEN PRIME
FINISH CODE
Z ANODIC TREATMENT
P P-27 PRIMER
AP ALUMINIZED PRIMER
C CADMIUM PLATE
CONT. #77713 & 88476
REPLACES
REPLACED BY
APPROVED DATE
SCALE
NAVY NOTED NOTED NOTED Z-P-ZGP
MATERIAL SPEC. HEAT TREAT FINISH
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
LATCH INST. - ARMAMENT BOW GUN STOWAGE
G 28F1405
R 28F1405



SUPPLIES & EQUIPMENT CLASSIFICATION

LET.	ALTERATION	DATE
E.	TRACED UP TO DATE	5-6-37
F.	ADDED XB24, B24 & PB2Y-2 REQ	
G	CHANGED MAT. ON -6 & -7 FROM	
	AL. ALLOY TO ALCLAD & REMOVED H.T. SPEC	
H	ADDED XB24 & B24 REQ ON 32F077	6-30-39
I	ADDED PB2Y-2 REQS	10-16-39
J	ADDED -20 ASS'Y & -8	
K	ADDED -30 ASS'Y & -9	9-6-40
L	CHANGED AN505-6-5 TO	
	AN526-6-5 ADDED AN960-6	11-5-40
M	CHANGED TO AN515-D8-5 & AN	6-24-41
	365-D832 WAS AN442AD4 ON	
	FACE. ADDED AN515-D8-5 & AN	
	365-D832 TO B/M	
N	ADDED -40 ASS'Y TO FACE DWG	12/11/41
	AND B/M	
P	CHG. TOLERANCE ± 1/32 WAS ± .010	
	NO WT. CHG.	4-23-43
Q	ADDED -9 L/R TO D & 1/4 DIM (2 PLCS)	
	& NOTE "BURR.....9 L/R" NEG WT. CHG.	4-27-43
R	ON FACE RELOCATED -9 L/R 1/4"	
	FROM EDGE OF BOX. NO WT. CHG.	5-20-43
S	CREATED -50 ASS'Y ADDED -50	
	PB2Y-3 29F3307 (1) TO REQ PER	
	AIRR BL'K. WT. CHG. NEG.	7-1-43
T	SPEC. 47A8-T WAS -A SPEC. QQ	
	A362-II WAS 11067-I. REM. 1/16	
	BEND RADII IN DETAIL -6 NO WT. CHG	7-1-43
U	ADDED DIM. 1/4, 3/16, 3/8 & 11/16 & NOTE	
	#18(.169) 2 HOLES TO -9. NO WT. CHG	7-1-43
V	AN426D4 WAS AN442AD4	
	Z-P-GP WAS ZP-2 AL. WT. CHG. NEG.	7-1-43
W	DIM. 19/32 WAS 5/32, 1/2 WAS	
	3/16 ADDED 5/8 DIM. WT. CHG. NEG	7-1-43
X	ON FACE -9L WAS -9R &	
	-9R WAS -9L. NO WT. CHG	7-1-43

LET.	ALTERATION	DATE	BY
Y	-5 "PHENOLIC (LAMINATED BASE)"		
	WAS "NATURAL BAKELITE FAB-		
	RIC BASE, ARMY SPEC. HH-P-		
	256 TYPE II GR. C WAS 71-484		
	TYPE I GR. X". WT. CHG. NEG.	9-12-43	BEARD
Z	ON FACE FOR -2 & -8 REM. DIM		
	11/32, ADDED DIM. 1/4 & 3/64 R. IN		
	DETAIL -6 CUTOUT 13/32 × 3/16		
	WAS 1/16 × 13/32 SLOT. ADDED		
	NOTE "OPP HAND -7" & REM. NOTE		
	"SLOT AS SHOWN". WT. CHG. NEG.	9-14-43	BEARD
AA	ON FACE OF DWG. & IN B/M		
	Q4305-D4 WAS AN426-D4		
	NO WT. CHG.	2-22-43	

FINISH CODE
- Z ANODIC TREATMENT
- P ZINC CHROMATE PRIMER
- GP GREEN PRIMER
- C CADMIUM PLATE

FOR FURTHER RELEASES SEE REL. SHEETS

-2 .032 ALUM.
NAVY SPEC. 47A2 1/2 H.
ARMY SPEC 57-151-1 TEMPER 1/2 H
NAVY FINISH -Z-P BEFORE RIVETING -5
FINAL, 2 GP

-8 .032 ALUM.
SPEC. 47A2 1/2 H
SAME AS -2 EXCEPT IT DOES NOT HAVE HOLE FOR LOCK
FOR -20 ASS'Y ONLY

ALL AL. ALLOY SHEET SPEC. 47A10 (COND. T) ALLOY 24-T EXCEPT AS NOTED
ALL AL. ALLOY EXTRUSIONS SPEC. (COND. T) ALLOY 24-T EXCEPT AS NOTED
HEAT TREAT ALL CONDITION A MATERIAL PER SPEC. 58F3
RIVETS AL. ALLOY EXCEPT AS NOTED.

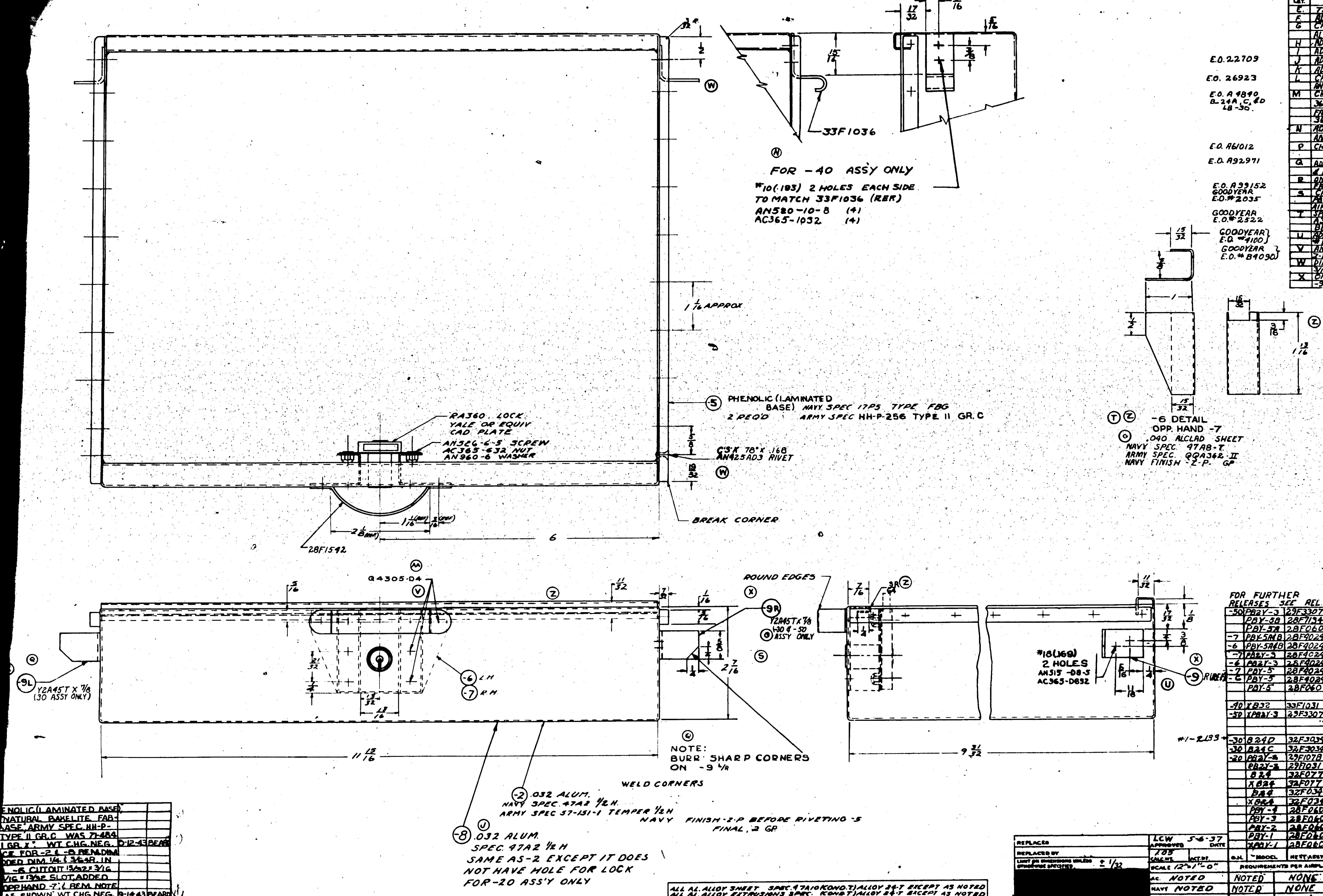
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
SCALE 1/2" = 1"-0"
LCW 5-6-37
MATERIAL: NOTED / NOTED
HEAT TREAT: NONE / NONE
FINISH: NOTED

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

DRAWER
FURNISHINGS
RADIO OPERATORS TABLE

G 28F082

GOODYEAR R 280



ALL AL. ALLOY SHEET SPEC. 47A10 (COND. T) ALLOY 24-T EXCEPT AS NOTED. ALL AL. ALLOY EXTRUSIONS SPEC. (COND. T) ALLOY 24-T EXCEPT AS NOTED. HEAT TREAT ALL CONDITION A MATERIAL PER SPEC. 5AE3. RIVETS AL. ALLOY EXCEPT AS NOTED.

SUPPLIES & EQUIPMENT CLASSIFICATION			
LET.	ALTERATION	DATE	BY
E	TRACED UP TO DATE	5-6-37	H.W.
F	ADDED YB24, B24 & PB2Y-2 REQ		
G	CHANGED MAT. ON -6 & -7 FROM AL. ALLOY TO ALCLAD & REMOVED H.T. SPEC		
H	ADDED XB24 & B24 REQ ON 32F077	6-30-39	CRAIG
I	ADDED PB2Y-2 REQS	10-16-39	
J	ADDED -20 ASS'Y & -8		
K	ADDED -30 ASS'Y & -9	9-6-40	HOOVER
L	CHANGED AN505-6-5 TO AN526-6-5 ADDED AN960-6	11-5-40	
M	CHANGED TO AN515-D8-5 & AN 365-D832 WAS AN442AD4 ON FACE. ADDED AN515-D8-5 & AN 365-D832 TO B/M	6-24-41	HOW
N	ADDED -40 ASS'Y TO FACE DWG AND B/M	12/11/41	ANDERSON
P	CHG. TOLERANCE ± 1/32 WAS ± .010 NO WT. CHG.	4-23-43	BAYKO
Q	ADDED -9 L/R TO D & 1/4 DIM (2 PLCS) & NOTE "BURR.....9 L/R" NEG WT. CHG.	4-23-43	BAYKO
R	ON FACE RELOCATED -9 L/R 1/4" FROM EDGE OF BOX. NO WT. CHG.	5-20-43	LENARD
S	CREATED -50 ASS'Y ADDED -50 PB2Y-3 29F3307 (1) TO REQ PER AIRP. BL'K. WT. CHG. NEG.	7-1-43	BEARD
T	SPEC. 47AB-T WAS -A. SPEC. QQ A362-II WAS 11067-I. REM. 1/16 BEND RADII IN DETAIL -6 NO WT. CHG.	7-1-43	BEARD
U	ADDED DIM. 1/4, 3/16, 3/8 & 11/16 & NOTE #18 (.169) 2 HOLES TO -9. NO WT. CHG.	7-1-43	BEARD
V	AN426D4 WAS AN442AD4. Z-P-GP WAS ZP-2 AL. WT. CHG. NEG.	7-1-43	BEARD
W	DIM. 19/32 WAS 5/32. 1/2 WAS 3/16 ADDED 5/8 DIM. WT. CHANGE	7-1-43	BEARD
X	ON FACE -9L WAS -9R & -9R WAS -9L. NO WT. CHG.	7-1-43	BEARD

PHENOLIC (LAMINATED BASE) NATURAL BAKELITE FAB- BASE, ARMY SPEC. HH-P- TYPE II GR. C WAS 71-484 I GR. X. WT. CHG. NEG. | 10-12-43 | BEARD
CE FOR -2 & -8 REM. DIM. ADDED DIM. 1/4 & 3 5/8 R. IN -6 CUTOUT 15/32 x 3/16 VIG #13 SLOT ADDED OPP HAND -7; REM. NOTE AS SHOWN. WT. CHG. NEG. | 9-14-43 | BEARD
ACE OF DWG. & IN B/M 05-D4 ... AN426-D4 NO WT. CHG. | 2-29-43 | DODMAN

FINISH CODE	
Z	ANODIC TREATMENT
P	P27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE

FOR FURTHER RELEASES SEE REL. SHEETS

D.N.	MODEL	NEXT ASSY	REQ.
-50	PB2Y-3	29F3307	1
	PBY-5B	28F7134	1
	PBY-5A	28F060	1
-7	PBY-5A & B	28F4024	1 EA
-6	PBY-5A & B	28F4024	1 EA
-7	PB2Y-3	28F4024	1
-6	PB2Y-3	28F4024	1
-7	PBY-5	28F4024	1
-6	PBY-5	28F4024	1
	PBY-5	28F060	1
-40	XB32	33F1031	1
-50	XPB2Y-3	29F3307	1
-30	B24D	32F3034	1
-30	B24C	32F3034	
-20	PB2Y-2	29F1078	1
	PB2Y-2	29F1031	1
	B24	32F077	1
	XB24	32F077	1
	B24	32F034	1
	XB24	32F034	1
	PBY-4	28F060	
	PBY-3	28F060	
	PBY-2	28F060	
	PBY-1	28F060	
	XPBY-1	28F060	

REQUIREMENTS PER AIRPLANE

PARTS	QUANTITIES (PARTS LIST PER ASSY.)
Q4305-D4	
AC365-1032	4
AN520-10-5	4
33F1036	2
AN365-D832	2, 2
AN515-D8-5	2, 2
RA-360 LOCK YALE OR EQUIV. CAD. PLATE	1, 1, 1, 1, 1, 1, 1
28F1542	1, 1, 1, 1, 1, 1, 1, 1
28F082-9L	1, 1
-8	1
-7	1, 1, 1, 1, 1, 1, 1
28F082-6	1, 1, 1, 1, 1, 1, 1
28F082-9R	1
28F082-5	2, 2, 2, 2, 2, 2, 2, 2
28F082-2	1, 1, 1, 1, 1, 1, 1
AN960-6	4, 4, 4, 4, 4
AN526-6-5	4, 4, 4, 4, 4
AC365-632	4, 4, 4, 4, 4, 4, 4
AN505-6-5	4, 4
AN425AD3	

PBY-1, PBY-2, PBY-3, -20, -30 ...

REPLACES	
REPLACED BY	
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED	± 1/32
APPROVED	LCW 5-6-37
CALC. WT.	.105
SCALE	12" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
A.C.	NOTED	NOTED	NONE	
NAVY	NOTED	NOTED	NONE	NOTED

MAT. NEG.

DRAFT 6-23-37 · CHECK 6-8-37 · ENGR. · ENG.

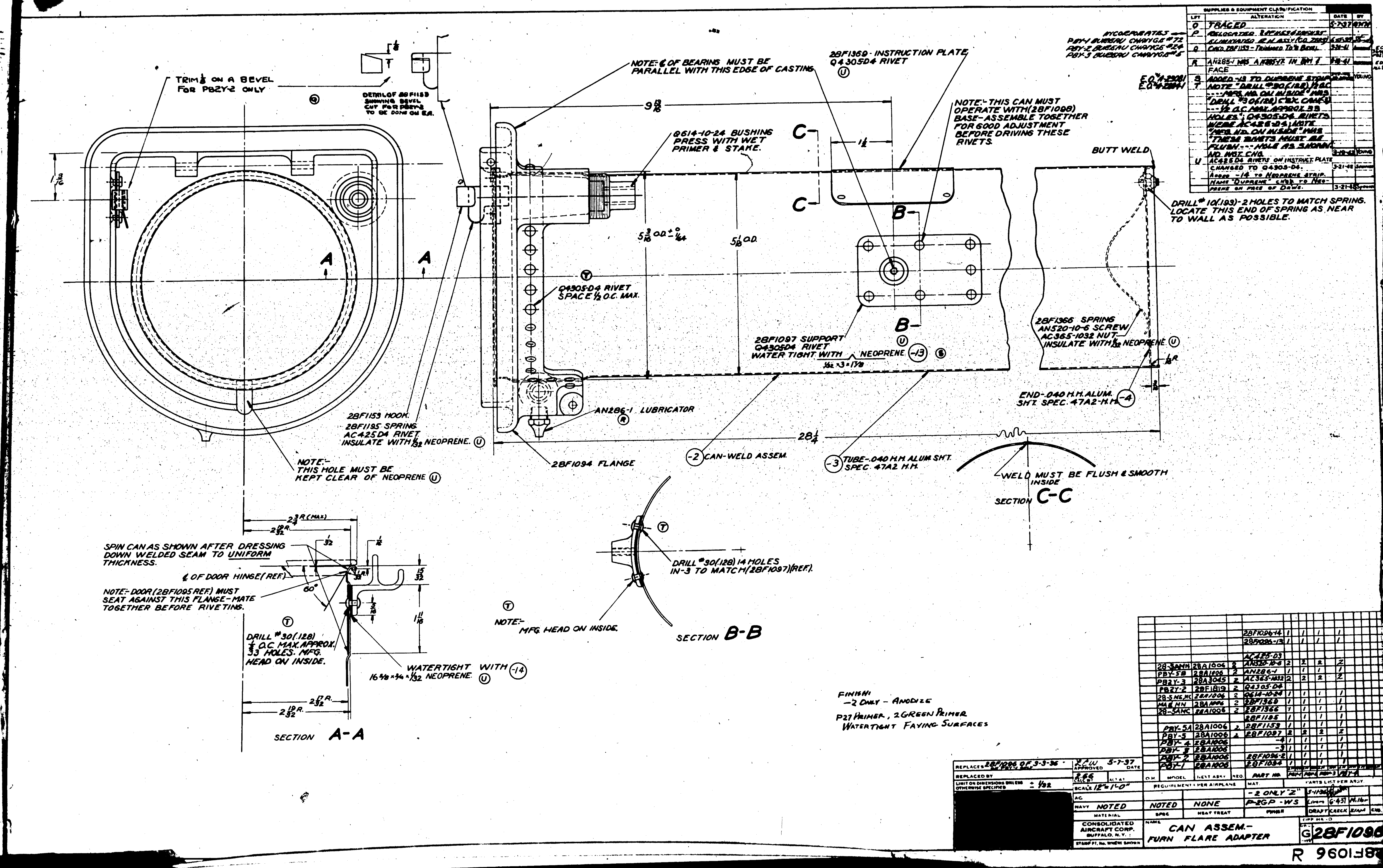
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N. Y.

STAMP PT. No. WHERE SHOWN

NAME: DRAWER FURNISHINGS RADIO OPERATORS TABLE

G 28F082

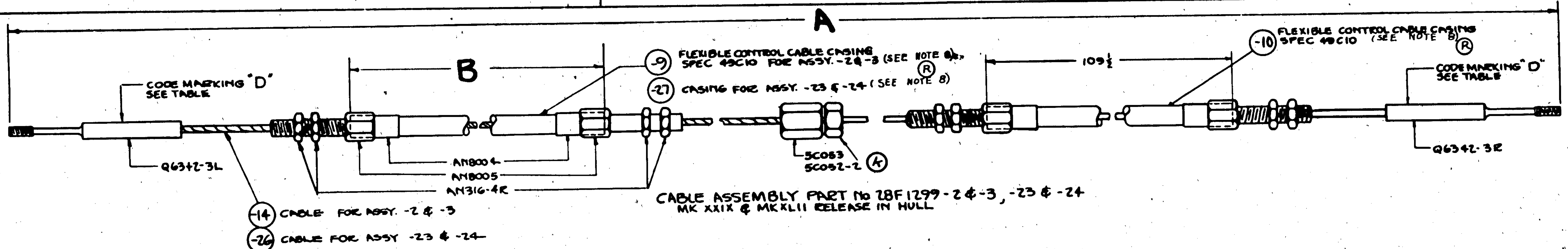
GOODYEAR R 280-182



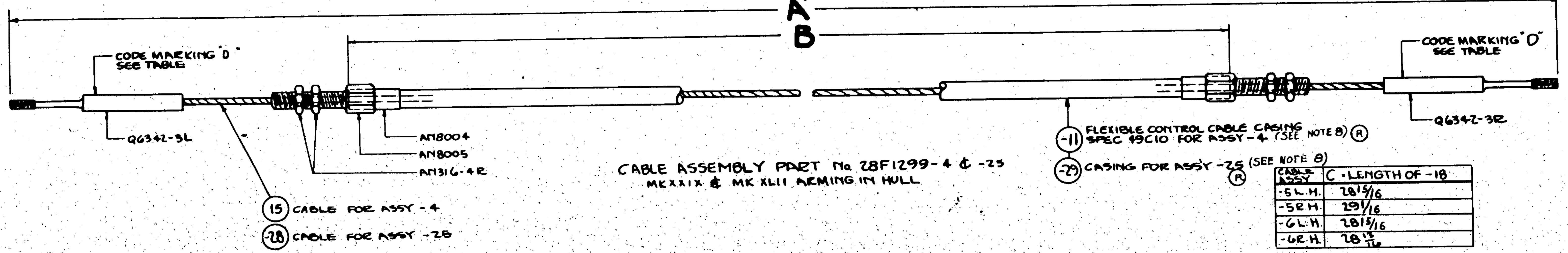
TRIM 1/8 ON A BEVEL FOR PB2Y-2 ONLY
DETAIL OF 28F1153 SHOWING BEVEL CUT FOR PB2Y-2 TO BE DONE ON E.A.
NOTE: ℄ OF BEARINS MUST BE PARALLEL WITH THIS EDGE OF CASTING
28F1369 - INSTRUCTION PLATE Q4305D4 RIVET
NOTE:- THIS CAN MUST OPERATE WITH (28F1098) BASE-ASSEMBLE TOGETHER FOR GOOD ADJUSTMENT BEFORE DRIVING THESE RIVETS.
BUTT WELD
Q614-10-24 BUSHING PRESS WITH WET PRIMER & STAKE.
DRILL #10(.193) - 2 HOLES TO MATCH SPRING. LOCATE THIS END OF SPRING AS NEAR TO WALL AS POSSIBLE.
Q4305-D4 RIVET SPACE 1/2 O.C. MAX.
28F1097 SUPPORT Q4305D4 RIVET WATER TIGHT WITH NEOPRENE (-13)
28F1366 SPRING AN520-10-6 SCREW AC365-1032 NUT INSULATE WITH 1/32 NEOPRENE
END-.040 H.M. ALUM. SHT. SPEC. 47A2-H.M. (-4)
28F1153 HOOK
28F1195 SPRING AC425D4 RIVET INSULATE WITH 1/32 NEOPRENE
AN286-1 LUBRICATOR
NOTE:- THIS HOLE MUST BE KEPT CLEAR OF NEOPRENE
28F1094 FLANGE
(-2) CAN-WELD ASSEM.
(-3) TUBE-.040 H.M. ALUM SHT. SPEC. 47A2 H.M.
WELD MUST BE FLUSH & SMOOTH INSIDE
SECTION C-C
SPIN CAN AS SHOWN AFTER DRESSING DOWN WELDED SEAM TO UNIFORM THICKNESS.
℄ OF DOOR HINGE (REF.)
NOTE:- DOOR (28F1095 REF.) MUST SEAT AGAINST THIS FLANGE-MATE TOGETHER BEFORE RIVETING.
DRILL #30(.128) 1/2 O.C. MAX. APPROX. 33 HOLES. MFG. HEAD ON INSIDE.
WATERTIGHT WITH (-14) 16 3/8 x 3/4 x 1/32 NEOPRENE
SECTION A-A
NOTE:- MFG. HEAD ON INSIDE.
DRILL #30(.128) 14 HOLES IN-3 TO MATCH (28F1097)(REF.)
SECTION B-B
FINISH: -2 ONLY - ANODIZE
P27 PRIMER, 2 GREEN PRIMER
WATERTIGHT FAYING SURFACES
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
CAN ASSEM.- FURN FLARE ADAPTER
28F1096
R 28F1096

LET	ALTERATION	DATE	BY
SUPPLIES & EQUIPMENT CLASSIFICATION			
J	TRACED UP TO DATE	5-13-37	V.J.B
K	REVERSE 5C053 5C052-2	11-5-40	J.P.N.
L	288# WAS 250#	11-5-40	J.P.N.
M	ADDED ½ LIMIT ON DIM. & CHANGED SPEC. TO R.P. WAS W.L.&T.	1-30-41	EDMIS
N	IN IDENTIFICATION BLOCK 28F1299-23 LENGTH B 58⅛ WAS 57⅞. NEG. WT. CHG.	3-19-42	
P	28A5152 NEXT ASSY WAS 28A2010 FOR PBY-5 #9140N. NO. WT. CHG.	10-13-42	
Q	IN IDENTIFICATION BLOCK, 28F1299-2 -3, DIM. 58 WAS 59 (2 PLACES) WT. CHG.	1-21-43	
R	ON FACE, AT CALLOUTS -9, -10, -11, -12, -13, -27, & -29 ADDED 'SEE NOTE 8', ADDED NOTE 8. NO WT. CHG.	10-1-43	HODIK

E.O. 22530
E.O. 22608 A
E.O. #A61290A
E.O. A96101

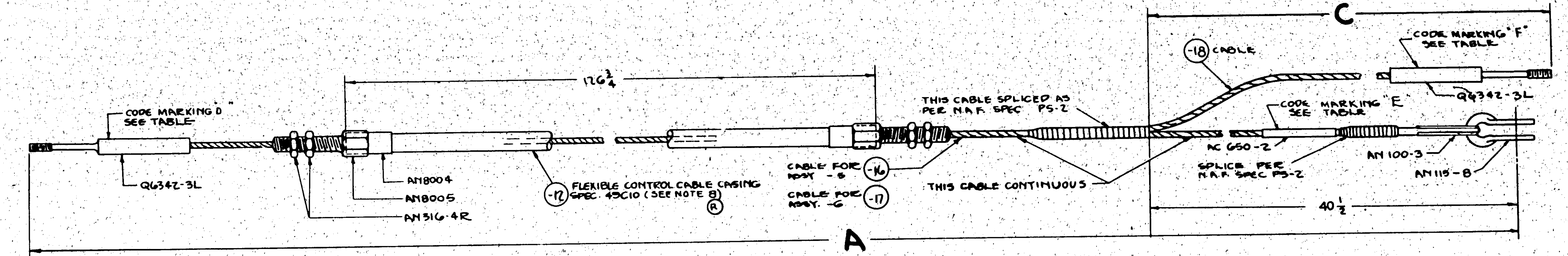


CABLE ASSEMBLY PART No 28F1299-2 & -3, -23 & -24
MK XXIX & MK XLII RELEASE IN HULL

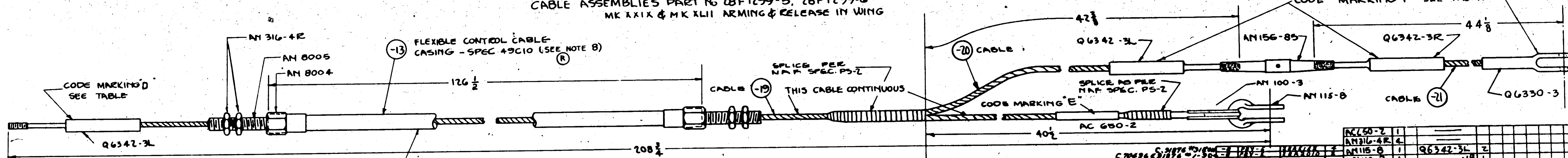


CABLE ASSEMBLY PART No 28F1299-4 & -25
MK XXIX & MK XLII ARMING IN HULL

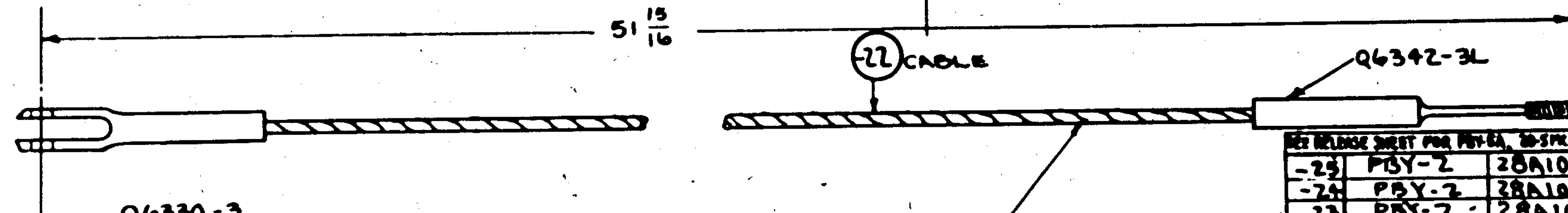
CABLE ASSY	C - LENGTH OF -18
-5 L.H.	28 13/16
-5 R.H.	29 1/16
-6 L.H.	28 15/16
-6 R.H.	28 13/16



CABLE ASSEMBLIES PART No 28F1299-5, 28F1299-6
MK XXIX & MK XLII ARMING & RELEASE IN WING



CABLE ASSEMBLY #28F1299-7
MK XXIX & MK XLII RELEASE IN WING



CABLE ASSEMBLY 28F1299-8
MK XLII ARMING LEVER CONNECTING IN WING

	PART NO	REQUIRED PER AIRPLANE	A	CALC. WT.	B	TERMINAL CODE MARKING D	E	F	CABLE LOCATION
Q	28F1299-2	1	305 1/16	1.79	58	290B-42F	—	—	HULL
	28F1299-3	1	304⅞	1.79	58	291B-42R	—	—	HULL
	28F1299-4	1	285½	1.67	192½	29A-42A	—	—	HULL
	28F1299-5	2	208⅛	1.62	—	290B-42F	290B	42F	WING
	28F1299-6	2	230⅛	1.65	—	29A-42A	29A	42A	WING
	28F1299-7	2	—	1.49	—	291B-42R	291B	42R	WING
	28F1299-8	2	—	.11	—	—	—	—	WING
N	28F1299-23	1	304⅛	1.72	58⅛	290B-42F			HULL
	28F1299-24	1	303⅞	1.72	57⅞	291B-42R			HULL
	28F1299-25	1	284 1/16	1.60	192 1/16	29A-42A			HULL

NOTES:-

1-ALL CABLES TO BE 3/32 DIA. 7x7 STL. (PREFORMED) SPEC. 22C2.
2-STAMP CODE MARKING LETTERS APPROX. 1/16 HIGH.
3-PRE-STRETCH CABLES TO 225# WHICH IS 60% OF RATED STRENGTH.
4-CABLES TO BE COATED WITH R.P.
5-INTERIOR OF CASINGS TO BE TREATED WITH GRAPHITE AND OIL PRIOR TO INSERTING CABLES.
6-SWAGE AS PER SPEC. T46b AS APPLICABLE.
7-PROOF TEST TO 288# EACH ASS'Y.
8-ALTERNATE MATERIAL FOR -9, -10, -11, -12, -13, -27, & -29 MAY BE: .133" I.D. x 5/16 OD FLEXIBLE CONTROL CABLE CASING MADE TO NAVY SPEC. 49-C-10 EXCEPT THAT CORE MAY BE WOUND FROM WIRE TO THE FOLLOWING SPECECIFICATIONS:
(A) SAE 1095 STEEL, SPEC. AN-QQ-W-441, CONDITION SPRING TEMPER,
(B) SAE 1065 STEEL, SPEC. QQ-W-465, CONDITION SPRING TEMPER,
(C) WIRE, NOTED IN (A) AND (B) TO BE FINISHED, HOT DIP TINNED, OR ZINC PLATE PER SPECIFICATION AN-P-32.
(R)

ST'D PARTS	REQ	PART NO.	REQ	REQ
—		Q6342-3R	1	1
AN316-4R	4	Q6342-3L	1	1
AN8005	2	-29	1	1
AN8004	2	28F1299-28	1	1
PARTS USED ON 28F1299-25				
—		Q6342-3R	1	1
—		Q6342-3L	1	1
—		5C053	1	1
—		5C052-2	1	1
AN316-4R	8	-27	1	1
AN8005	4	-26	1	1
AN8004	4	28F1299-10	1	1
PARTS USED ON 28F1299-23 & 24				
		Q6342-3L	1	
		Q6330-3	1	
		28F1299-22	1	
PARTS USED ON 28F1299-8				
AC650-2	1	Q6342-3R	1	
AN316-4R	4	Q6342-3L	2	
AN155-85	1	Q6330-3	1	
AN115-8	1	-21	1	
AN100-3	1	-20	1	
AN8005	2	-19	1	
AN8004	2	28F1299-13	1	
PARTS USED ON 28F1299-7				
AC650-2	1	—		
AN316-4R	4	—		
AN115-8	1	Q6342-3L	2	
AN100-3	1	-18	1	
AN8005	2	-17	1	
AN8004	2	28F1299-12	1	
PARTS USED ON 28F1299-6				
AC650-2	1	—		
AN316-4R	4	—		
AN115-8	1	Q6342-3L	2	
AN100-3	1	-18	1	
AN8005	2	-16	1	
AN8004	2	28F1299-12	1	
PARTS USED ON 28F1299-5				
—		Q6342-3R	1	1
AN316-4R	4	Q6342-3L	1	1
AN8005	2	-15	1	1
AN8004	2	28F1299-11	1	1
PARTS USED ON 28F1299-4				
—		Q6342-3R	1	1
—		Q6342-3L	1	1
—		5C053	1	1
—		5C052-2	1	1
AN316-4R	8	-14	1	1
AN8005	4	-10	1	1
AN8004	4	28F1299-9	1	1
PARTS USED ON 28F1299-3 & -2				
MAT.		PART LIST PER ASSY	PBY-1	PBY-2

SEE RELEASE SHEET FOR PBY-5A, 28-5PK, -PB, AMC

	MODEL	NEXT ASSY
-25	PBY-2	28A1015
-24	PBY-2	28A1015
-23	PBY-2	28A1015
-8	PBY-2	28A2010
-4	PBY-2	28A1015
-3	PBY-2	28A1015
-2	PBY-2	28A1015

C. 91876 #9140N
C. 70496 & 91876 #1-50

Q.H.	MODEL	NEXT ASSY	REQ.
-8	PBY-5	28A5152	2
-7	PBY-5	28A2010	2
-23-24	PBY-5	28A1015	1 EA.
-4/25	PBY-5	28A1015	
-2-3	PBY-5	28A1015	1 EA.
	PBY-4	28A2010	
	PBY-4	28A1015	
	PBY-3	28A2010	
	PBY-3	28A1015	
-25	PBY-1	28A1015	
-24	PBY-1	28A1015	
-23	PBY-1	28A1015	
-8	PBY-1	28A1010	
-7	PBY-1	28A1010	
-6	PBY-1	28A1010	
-5	PBY-1	28A1010	
-4	PBY-1	28A1015	
-3	PBY-1	28A1015	
-2	PBY-1	28A1015	NOTE

REQUIREMENTS PER AIRPLANE

REPLACES
REPLACED BY
APPROVED Z.C.W. DATE 5-13-37
CALC. WT. NOTED | ACT. WT.
SCALE NONE

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	NOTED	NOTED	NONE	NOTED

DRAFT: 4-30-37 | CHECK: MILLER
TIMMS 6-8-37
OPR. HAND

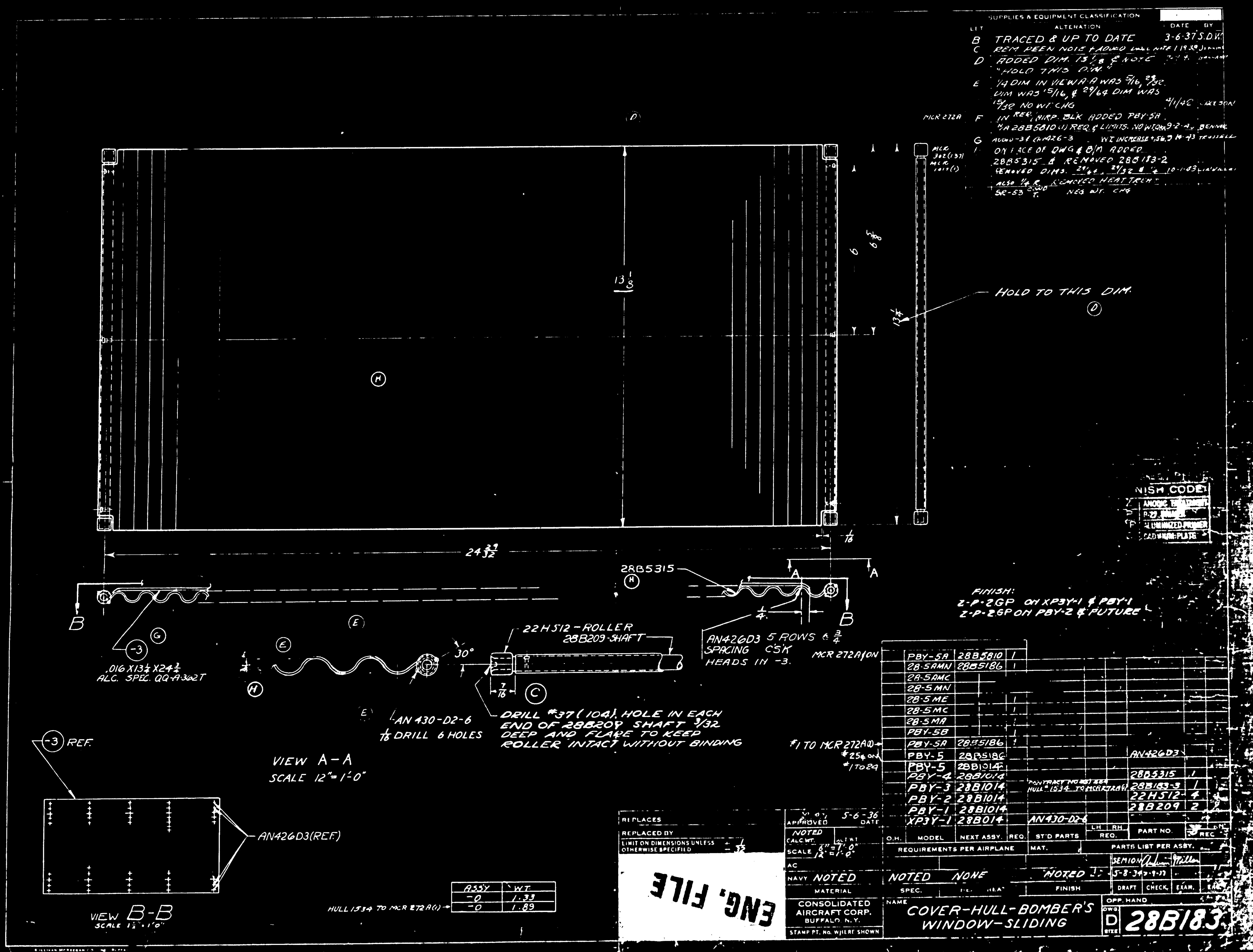
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.
STAMP PT. No. WHERE SHOWN

NAME: CABLE ASSEM - FURN - BOMB RELEASE

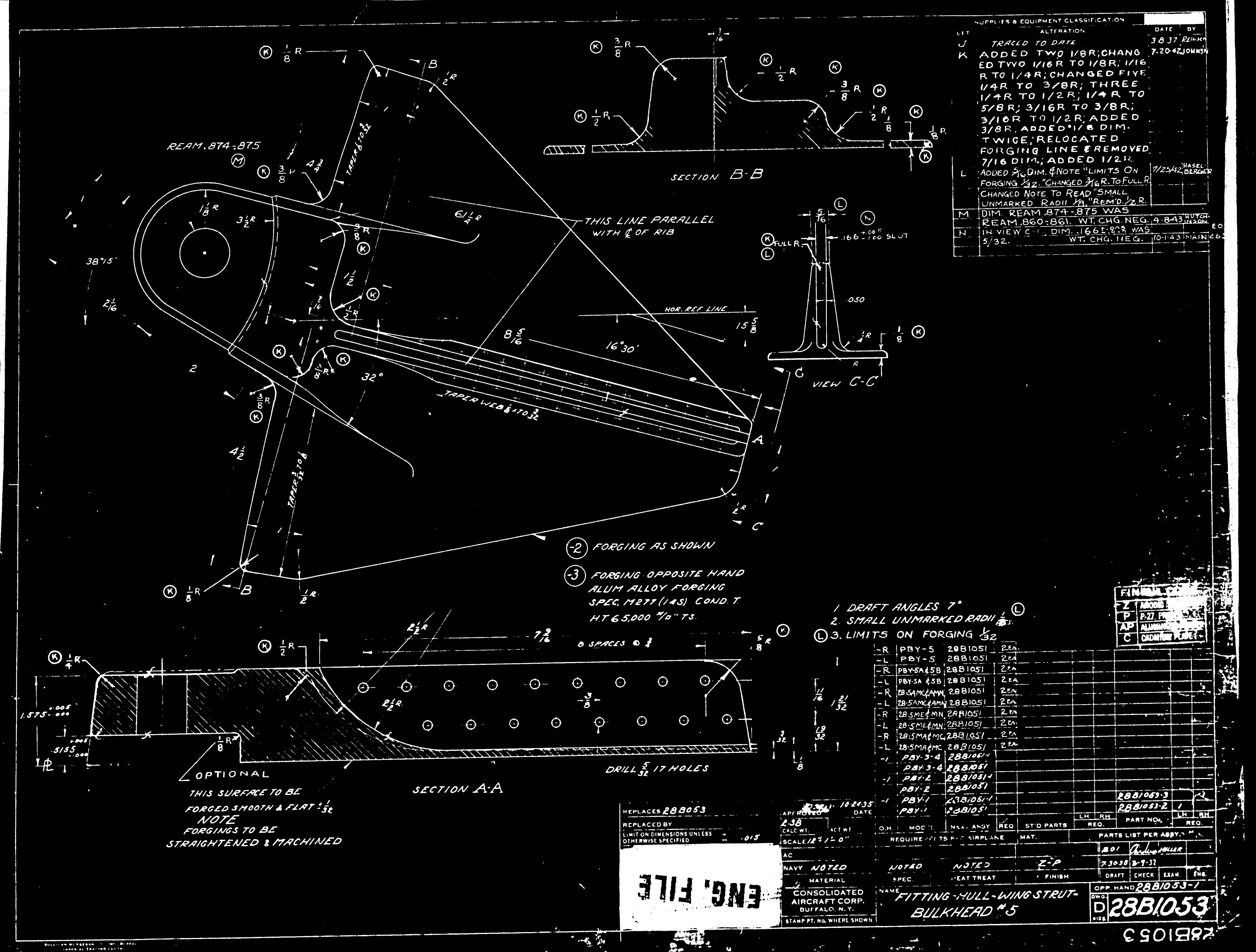
DWG SIZE G 28F1299

R

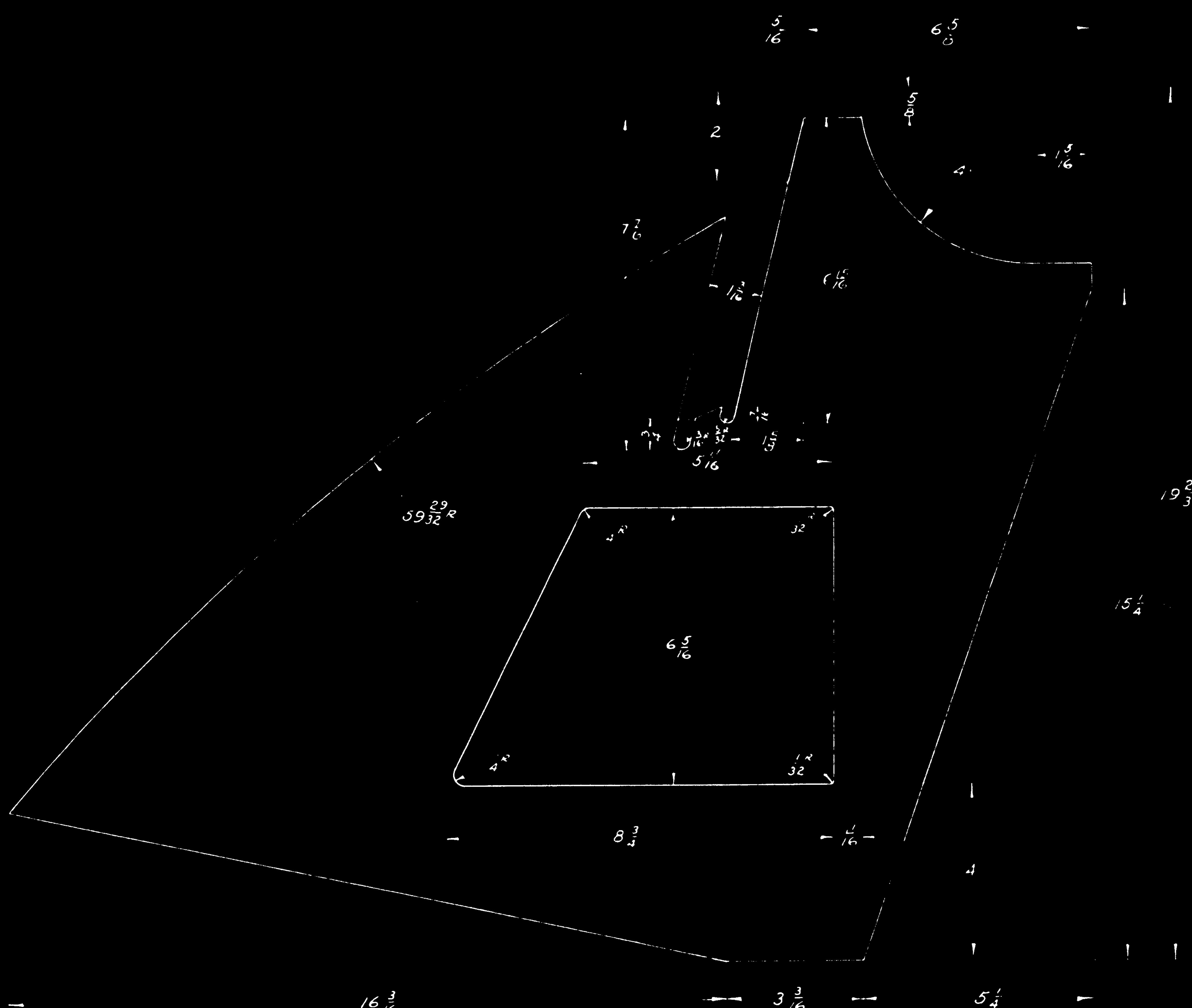
28F1299



SUPPLIES & EQUIPMENT CLASSIFICATION
LTT ALTERATION DATE BY
B TRACED & UP TO DATE 3-6-37 S.D.W.
D ADDED DIM. 13 1/8 & NOTE "HOLD THIS DIM."
E 1/4 DIM IN VIEW A-A WAS 5/16, 29/32 DIM WAS 15/16, & 29/64 DIM WAS 15/32 NO WT CHG
G ON FACE OF DWG & B/M ADDED 28B5315 & REMOVED 28B183-2
13 1/8
HOLD TO THIS DIM
24 33/32
1/16
28B5315
FINISH:
Z-P-2GP ON XP3Y-1 & PBY-1
Z-P-2GP ON PBY-2 & FUTURE
B
A
-3
.016 X 13 1/2 X 24 1/2
ALC. SPEC. QQ-A-362T
30°
22H512-ROLLER
28B209-SHAFT
7/16
AN426D3 5 ROWS 6 3/4 SPACING CSK HEADS IN -3.
MCR 272A ON
AN 430-D2-6
1/8 DRILL 6 HOLES
DRILL #37 (.104) HOLE IN EACH END OF 28B209 SHAFT 3/32 DEEP AND FLARE TO KEEP ROLLER INTACT WITHOUT BINDING
VIEW A-A
SCALE 12" = 1'-0"
-3 REF.
AN426D3 (REF.)
VIEW B-B
SCALE 1 1/2" = 1'-0"
HULL 1534 TO MCR 272A(1)
ASSY WT.
-0 1.33
-0 1.89
#1 TO MCR 272A
PBY-5A 28B5810 1
28-5AMN 28B5186 1
28-5AMC
28-5MN
28-5ME
28-5MC
28-5MA
PBY-5B
PBY-5A 28B5186
PBY-5 28B5186
PBY-5 28B1014
PBY-4 28B1014
PBY-3 28B1014
PBY-2 28B1014
PBY-1 28B1014
XP3Y-1 28B014
AN426D3
28B5315 1
28B183-3 1
22H512 4
28B209 2
AN430-D2-6
PART NO.
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASBY.
REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED
APPROVED 5-6-36
SCALE 6" = 1'-0" 12" = 1'-0"
NAVY NOTED
MATERIAL
NOTED NONE
SPEC.
NOTED
FINISH
ENG. FILE
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
NAME
COVER-HULL-BOMBER'S WINDOW-SLIDING
D 28B183



SUPPLIES & EQUIPMENT CLASSIFICATION
ALTERATION
DATE
BY
J TRACED TO DATE 3 8 37
K ADDED TWO 1/8R; CHANGED TWO 1/16R TO 1/8R; 1/16 R TO 1/4R; CHANGED FIVE 1/4R TO 3/8R; THREE 1/4R TO 1/2R; 1/4R TO 5/8R; 3/16R TO 3/8R; 3/16R TO 1/2R; ADDED 3/8R, ADDED 1/8 DIM. TWICE; RELOCATED FORGING LINE & REMOVED 7/16 DIM.; ADDED 1/2R. 7-20-42 JOHNSON
L ADDED 5/16 DIM. & NOTE "LIMITS ON FORGING 1/32." CHANGED 3/16R. TO FULL R. CHANGED NOTE TO READ "SMALL UNMARKED RADII 1/8." REM'D 1/2R. 7/25/42 HASELBERGER
M DIM. REAM .874-.875 WAS REAM .860-.861. WT. CHG. NEG. 4-8-43 HUTCHINSON
N IN VIEW C-C, DIM. .166 WAS 5/32. WT. CHG. NEG. 10-1-43 MAIN
REAM .874-.875
THIS LINE PARALLEL WITH ℄ OF RIB
HOR. REF LINE
TAPER WEB 1/8 TO 3/32
SECTION B-B
VIEW C-C
.166 SLOT
.050
-2 FORGING AS SHOWN
-3 FORGING OPPOSITE HAND
ALUM ALLOY FORGING
SPEC. M277 (14S) COND. T
H.T. 65,000 #/□" TS.
1. DRAFT ANGLES 7°
2. SMALL UNMARKED RADII 1/8
3. LIMITS ON FORGING 1/32
8 SPACES
DRILL 5/32 17 HOLES
SECTION A-A
OPTIONAL
THIS SURFACE TO BE FORGED SMOOTH & FLAT ± 1/32
NOTE
FORGINGS TO BE STRAIGHTENED & MACHINED
FINISH
ANODIC
P-27 PRIMER
ALUMINUM
CADMIUM PLATE
PBY-5 28B1051
PBY-5A & 5B 28B1051
28-5AMC & AMN 28B1051
28-5ME & MN 28B1051
28-5MA & MC 28B1051
PBY-3-4 28B1051
PBY-2 28B1051
PBY-1 28B1051
28B1053-3
28B1053-2
PART NO.
PARTS LIST PER ASSY.
REPLACES 28B053
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .015
APPROVED 10-24-35
SCALE 12" = 1'-0"
NAVY NOTED
MATERIAL NOTED
HEAT TREAT NOTED
FINISH Z-P
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
STAMP PT. NO. WHERE SHOWN
NAME FITTING-HULL-WING STRUT-BULKHEAD #5
OPP. HAND 28B1053-1
DWG. NO. D 28B1053
ENG. FILE
28B1053



Model	Next Assy	Req
PBY-4	28B1200	
PBY-3	28B1200	
PBY-2	28B1200	
PBY-1	28B1200	2

10-28-35

1/32

Scale: HALF SIZE

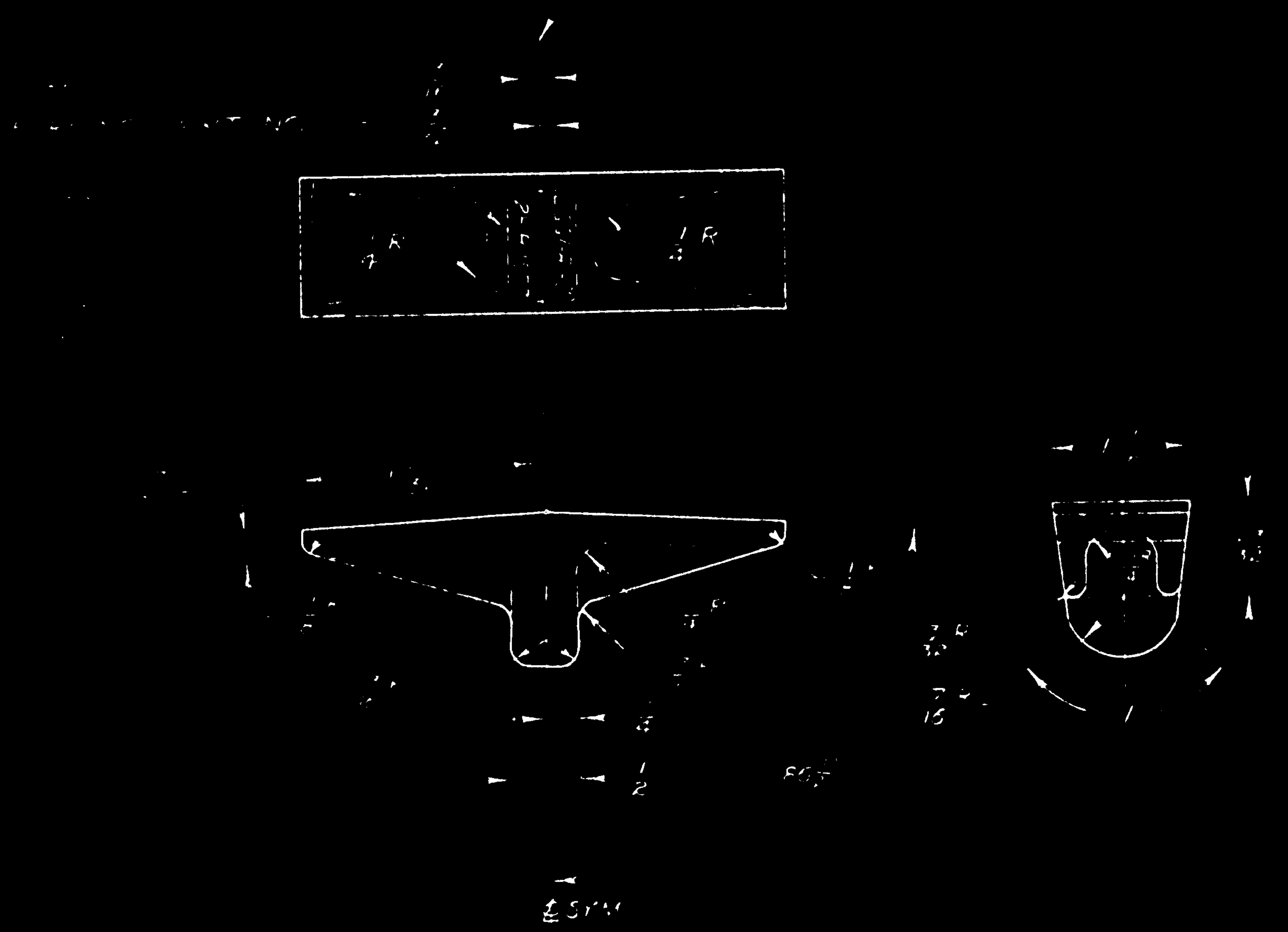
Navy: 064 AL ALLOY SHEET RAST — 47A10 COND T — NONE — NONE

10-4-35 3-10-37

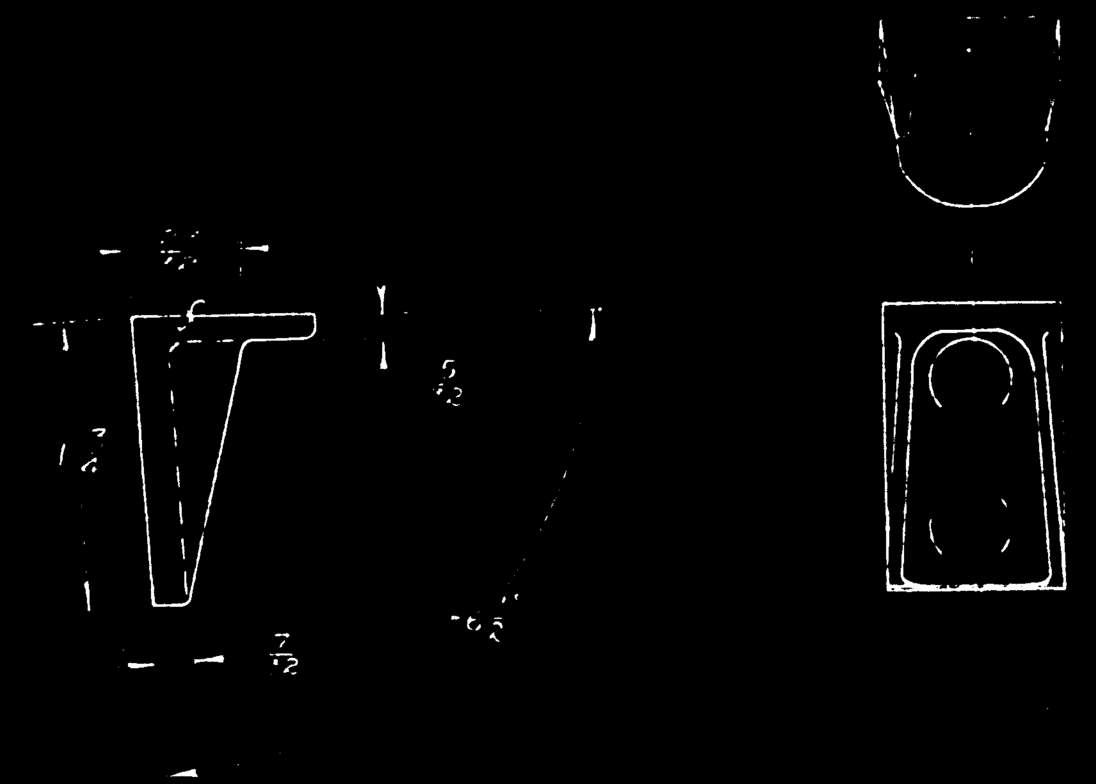
CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

GUSSET-HULL BULKHEAD #2

D 28B1430



DETAIL OF ROUGH FORGING
(-6 PART)



DETAIL OF 28B1557
MACHINE FORGING

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
	PBY-5B	28B1207	6
	PBY-5A	28B1207	6
	PBY-5	28B1207	6
	28-5AMN	28B1207	6
	28-5AMC	28B1207	6
	28-5MN	28B1207	6
	28-5ME	28B1207	6
	28-5MC	28B1207	6
	28-5MA	28B1207	6
	PBY-2-1	[illegible]	
	PBY-2-4	[illegible]	
	PBY-2-1	[illegible]	
	PBY-1-3	28B1207-4	
	PBY-1-3	[illegible]	
	PBY-1-3	[illegible]	

REQUIREMENTS PER AIRPLANE

REPLACES 28B1557 OF 1-10-36 — N.A. CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED: 1/32, 1/64 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	LH REQ	RH REQ	LH REQ	RH REQ	LH REQ	RH REQ	LH REQ	RH REQ	LH REQ	RH REQ
-6	MACHINED FORGING MADE FROM -6 ROUGH FORGING	AL ALLOY	4647-GR3										
				[illegible]		-2		-3		-4		-5	

PARTS LIST PER ASSY

AC — NAVY 44,000#, 6" — HEAT TREAT

NONF — FINISH

DRAFT: J.W.L. 1-8-36 — CHECK: STIERWILLER 12-31-36 — STRUCT — MA — APPROV: L.C.W. 12-31-36 — ENG

OPP HAND

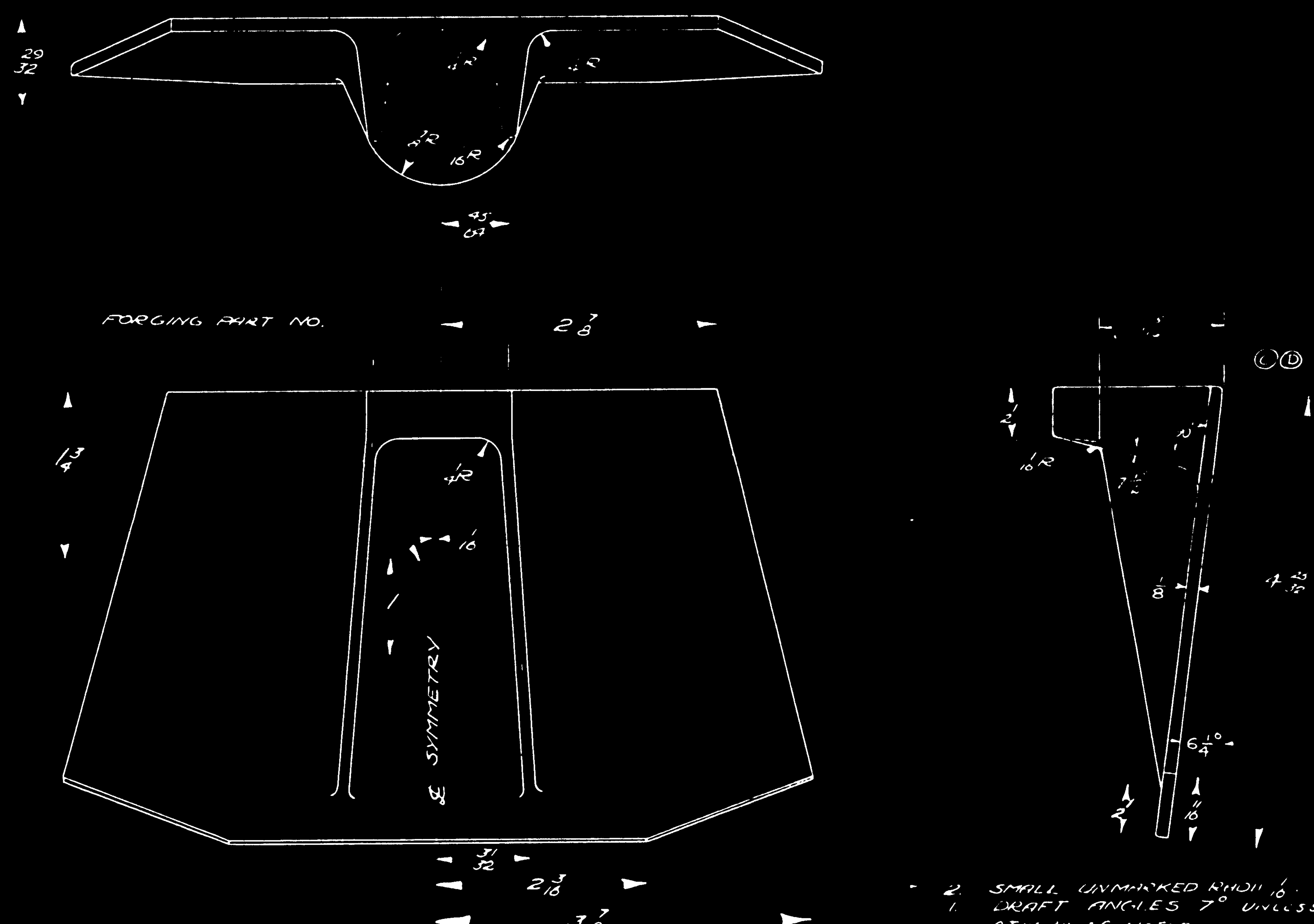
NAME: FORGING - HULL - SECONDARY FITTING LOWER FIN-STABILIZER STRUCT

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

SIZE D — DWG 28B1557

SYM	ALTERATION	DATE	BY
B	TRACED UP TO DATE	3/11/37	[illegible]
C	ADDED 7½° DRAFT	5/13/40	ZEIGLER
D	REMOVED 7½° DRAFT, CANCELS CHG C, ADDED 90° (REF)	[illegible]	MARTIN
E	TOLERANCE +1/32 −1/64 ± ¼° WAS ± 1/64 ± ¼°	5-13-[illegible]	STEVEN
F	[illegible]		

FORGING NOT AFFECTED



2. SMALL UNMARKED RADII 1/16
1. DRAFT ANGLES 7° UNLESS OTHERWISE NOTED

MODEL	PART NO.
PBY-1	28B1205
PBY-1	28B1205-1
PBY-1	28B1206
PBY-1	28B1206-1
PBY-2	28B1205
PBY-2	28B1205-1
PBY-2	28B1206
PBY-2	28B1206-1
PBY-3	28B1205
PBY-3	28B1205-1
PBY-3	28B1206
PBY-3	28B1206-1
PBY-4	28B1205
PBY-4	28B1205-1
PBY-4	28B1206
PBY-4	28B1206-1
PBY-5A	28B1205
PBY-5A	28B1206

SCALE 12" = 1'0"

DATE 2-11-36

TOLERANCE +1/32 −1/64 ± ¼°

MATERIAL: AL ALLOY FORGING

SPEC: 46AT6[illegible]

HEAT TREAT: 44,200# [illegible]

FINISH: NONE

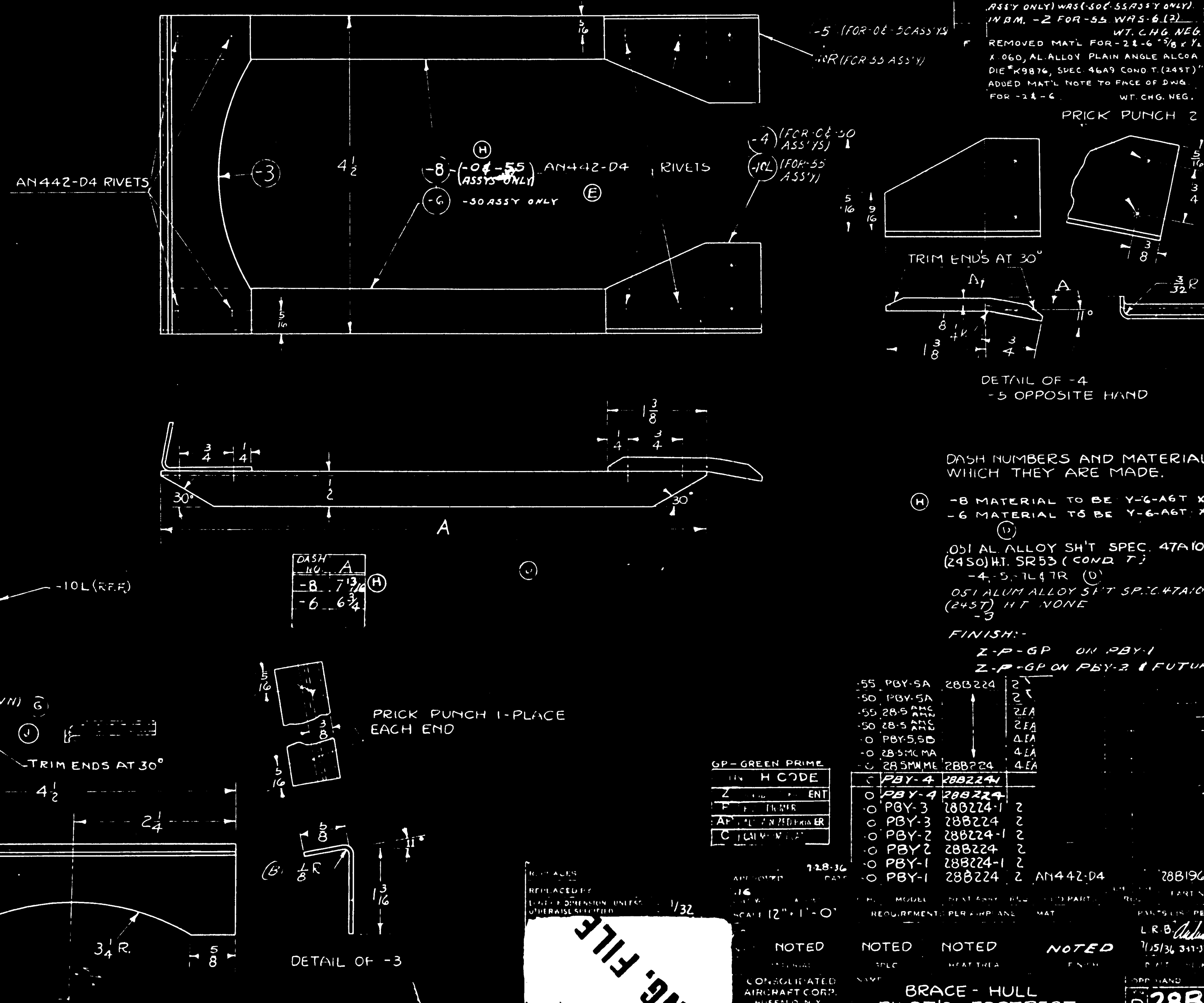
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

NAME: FORGING-HULL-MAIN FITTING LOWER PIN-STABILIZER STRUCT.

D 28B1558

LET	ALTERATION	DATE	BY
G	REVERSED FLANGE IN DETAIL -7L. NO WT. CHG.	8-13-43	WAGLEY
H	-8 WAS -2. MAT'L Y-6-A6TX8 FOR -8 WAS Y-6-A6TX7 3/4 FOR -2. 7 13/16 WAS 7 9/16. WT. CHG. NEG.	9-3-43	MHAGAR
J	IN -55 ASSY., -10 L/R WAS -7 L/R -8(REF) WAS -6(REF). WT. CHG. NEG.	9-7-43	FUNK

LET	ALTERATION	DATE	BY
A	TRACED	3-17-37	V.I.B.
B	1/8 R WAS 3/32 R	8-23-37	MLA
C	MAT'L -3 WAS ... A	8-23-37	MLA
D	CREATED -50 & -55 ASS'YS FOR PBY-5A, 28-5AMC & 28-5AMN (WT. CHG. NEG.)	4-2-42	HERMANSON
E	NOTE: (-0 & -55 ONLY) WAS (-0 ONLY) (-50 ASS'Y ONLY) WAS (-50 & -55 ASS'Y ONLY) IN B.M. -2 FOR -55 WAS -6 (2) WT. CHG. NEG.	8-6-42	WARD ROUP
F	REMOVED MAT'L FOR -2 & -6 "5/8 x 1/2 x .060, AL. ALLOY PLAIN ANGLE ALCOA DIE #K9876, SPEC. 46A9 COND. T. (24ST)" ADDED MAT'L NOTE TO FACE OF DWG. FOR -2 & -6 WT. CHG. NEG.	4-15-43	KNIGHT



DASH NO.	A
-8	7 13/16
-6	6 3/4

DASH NUMBERS AND MATERIAL FROM WHICH THEY ARE MADE.

(H) -8 MATERIAL TO BE Y-6-A6T X 8
-6 MATERIAL TO BE Y-6-A6T X 6 7/8.

(D)
.051 AL. ALLOY SH'T SPEC. 47A10 COND. A (24SO) H.T. SR53 (COND. T)
-4, -5, -7L & 7R (D)

.051 ALUM ALLOY SH'T SPEC. 47A10 COND T (24ST) H.T. NONE
-3

FINISH:-
Z-P-GP ON PBY-1
Z-P-GP ON PBY-2 & FUTURE

GP - GREEN PRIME

-55	PBY-5A	28B224	2
-50	PBY-5A		2
-55	28-5 AMC AMN		2 EA
-50	28-5 AMC AMN		2 EA
-0	PBY-5,5B		4 EA
-0	28-5MC MA		4 EA
-0	28-5MN ME	28B224	4 EA
-0	PBY-4	28B224-1	
-0	PBY-4	28B224	
-0	PBY-3	28B224-1	2
-0	PBY-3	28B224	2
-0	PBY-2	28B224-1	2
-0	PBY-2	28B224	2
-0	PBY-1	28B224-1	2
-0	PBY-1	28B224	2 AN442-D4

-10R, -10L, -6, -5, -4, -3, 28B1963-8, -0 -50 -55 ASSY

SCALE 12" = 1'-0"

TOLERANCE ON DIMENSION UNLESS OTHERWISE SPECIFIED 1/32

NOTED NOTED NOTED NOTED

L.R.B. MILLER 11-5-36 3-11-37

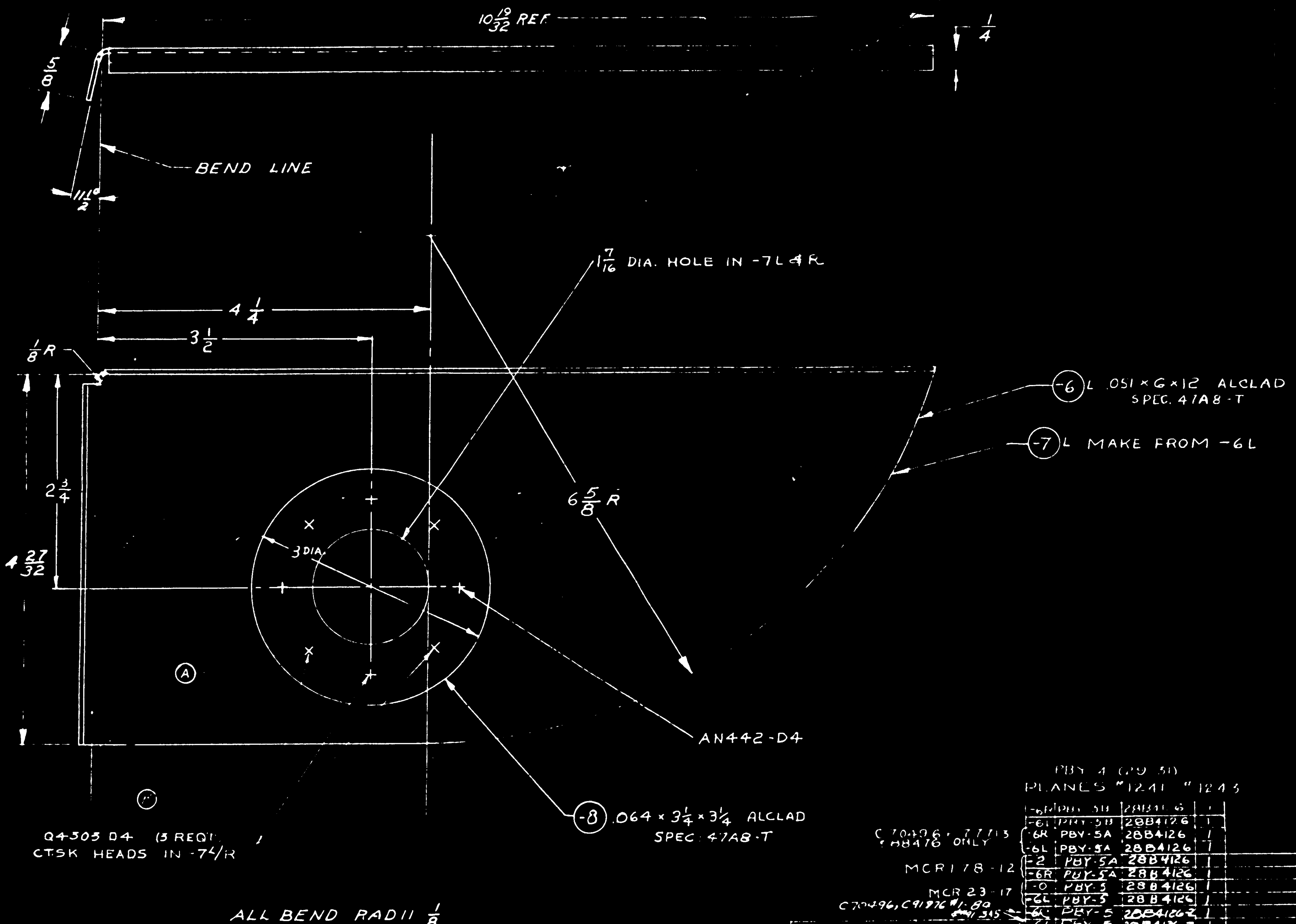
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.

BRACE - HULL PILOT'S FOOTREST

D 28B1963

28B1963

LET	ALTERATION	DATE	BY
A	ON FACE OF DWG & F/M ALTER -6 L/R, -7 L/R & -8, 1 7/16 DIA. HOLE, 3 1/2, 3, 2 3/4 DIM'S & -0 & -2 ASS'YS.	10-12-42	[illegible]
B	ADDED [illegible] Q4305 D4 (3 REQD) CTSK HEADS IN -7 L/R. ADDED		
	Q430[illegible] D4 TO B/M	6-8-43	[illegible]
	RELEASES BROUGHT TO DATE		



GP GREEN PRIME
FINISH CODE

Z	[illegible]
P	P 27 [illegible]
AP	ALUMIN[illegible]
C	CADM[illegible]

PBY-4 (29-38)
PLANES #1241 #1243

	D H	MODEL	NEXT ASSY	REQ
	-6R	PBY-5B	28B4126	1
	-6L	PBY-5B	28B4126	1
C 70496, 77713 & 88476 ONLY	-6R	PBY-5A	28B4126	1
	-6L	PBY-5A	28B4126	1
MCR 178-12	-2	PBY-5A	28B4126	1
	-6R	PBY-5A	28B4126	1
MCR 23-17	-0	PBY-5	28B4126	1
	-6L	PBY-5	28B4126	1
C70496, C91976 #1-80, 91315	-6R	PBY-5	28B4126-2	1
	-6L	PBY-5	28B4126-2	1
	-6R	PBY-4	28B4126	
	-6L	PBY-4	28B4126	

REQUIREMENTS PER AIRPLANE

	PART NO	REQ	REQ
(B)	Q4305 D4		
(A)	AN442-D4		
	-8	1	1
	-7R	1	
	-7L		1
	-6R		
	-6L		
	PARTS LIST PER ASSY	-0	-2

REPLACES
REPLACED BY
LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
APPROVED DATE
CALC WT | ACT WT
SCALE 12" = 1 FT 0 IN

MATERIAL	SPEC	HEAT T.	FINISH
NAVY NOTED	NOTED	NONE	Z-P-GP

DRAFT | CHECK | EXAM | ENG

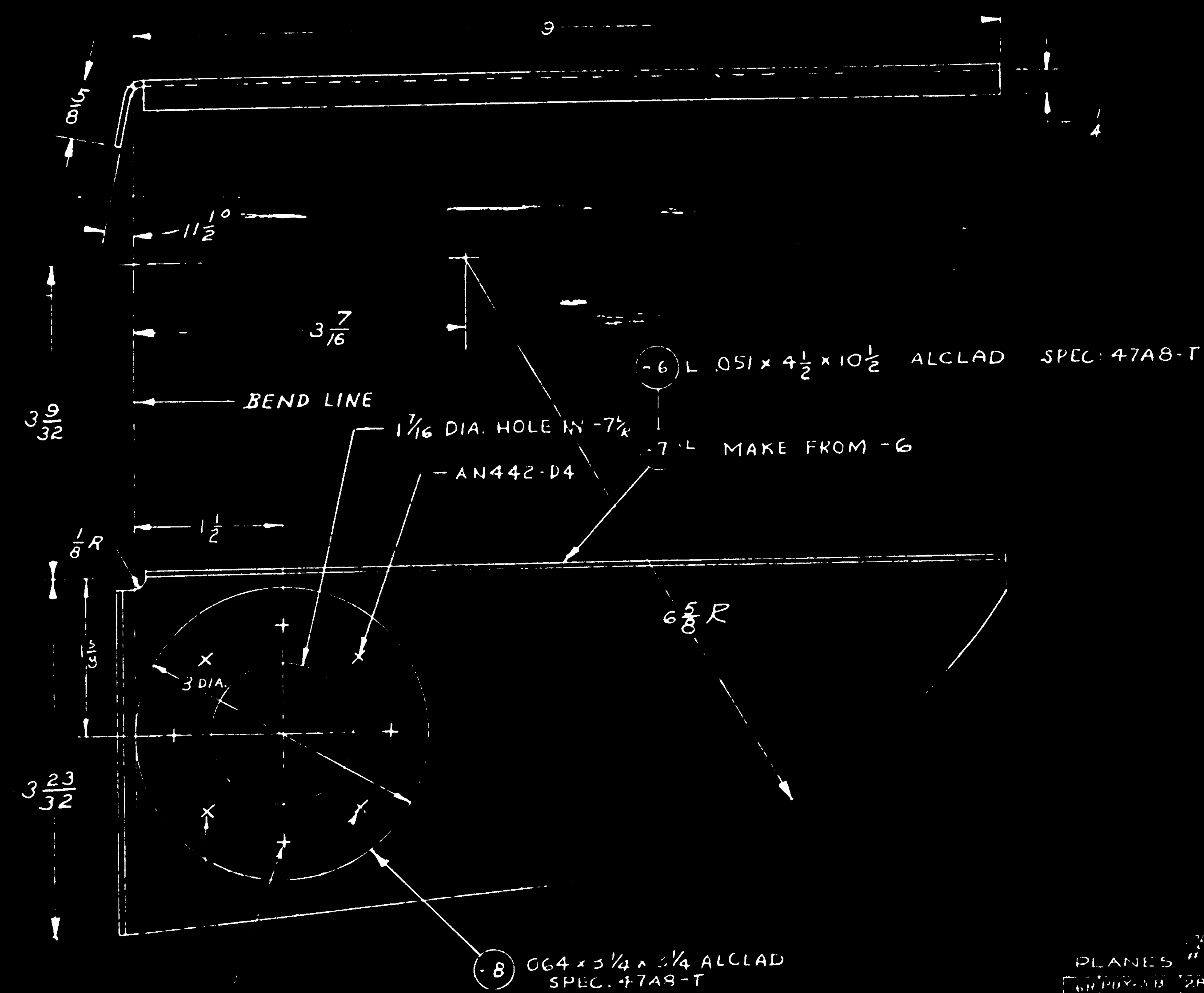
ENG. FILE

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
STAMP PT NO WHERE SHOWN

GUSSET - H[illegible]L - LOWER CHANNEL WAIST GUN OPENING - STA # 6.6

OPP HAND 28B4128-R

DWG SIZE D 28B4128



LET	ALTERATION	DATE	BY
A	ON FALL OF DWG & F/M ADDED -6 L/R, -7 L/R & -8, 1 7/16 DIA. HOLE, 1 1/2, 1 5/8 & 3 DIMS & -0 & -2 ASS'YS.	10-12-42	[illegible]
B	ADDED NOTE Q4303-D4 (3 REQ'D) CSK HEADS IN -7 L/R ADDED Q4303-D4 TO B/M	6-8-43	[illegible]
	RELEASES BROUGHT TO DATE		

(B) Q4303-D4 (3 REQ'D)
CSK HEADS IN -7 L/R

ALL BEND RADII 1/8

PBY-4 (2) (3)
PLANES #1241 #1243

O H	MODEL	NEXT ASSY	REQ
6R	PBY-5B	28B4126	1
6L	PBY-5B	28B4126	1
6R	PBY-5A	28B4126	1
6L	PBY-5A	28B4126	1
-2	PBY-5A	28B4126	1
-6R	PBY-5A	28B4126	1
-0	PBY-5	28B4126	1
-6L	PBY-5	28B4126	1
-R	PBY-5	28B4126-2	1
-L	PBY-5	28B4126-2	1
-R	PBY-4	28B4126	
-L	PBY-4	28B4126	

REQUIREMENTS PER AIRPLANE

C70496, 91876 #

MCR 25 17

PART NO	-0 REQ	-2 REQ
(B) Q4303-D4		
AN442-D4		
-8	1	1
-7R	1	
-7L		1
-6R		
-6L		

PARTS LIST PER ASSY.

REPLACED
REPLACED BY
1/32
CALC WT
ACT WT
APPROVED
DATE
SCALE

ENG. FILE

NAVY No. [illegible]
MATERIAL: NOTED
SPEC.
HEAT TREAT: NONE
FINISH: Z-P-GP
DRAFT | CHECK | EXAM | ENG

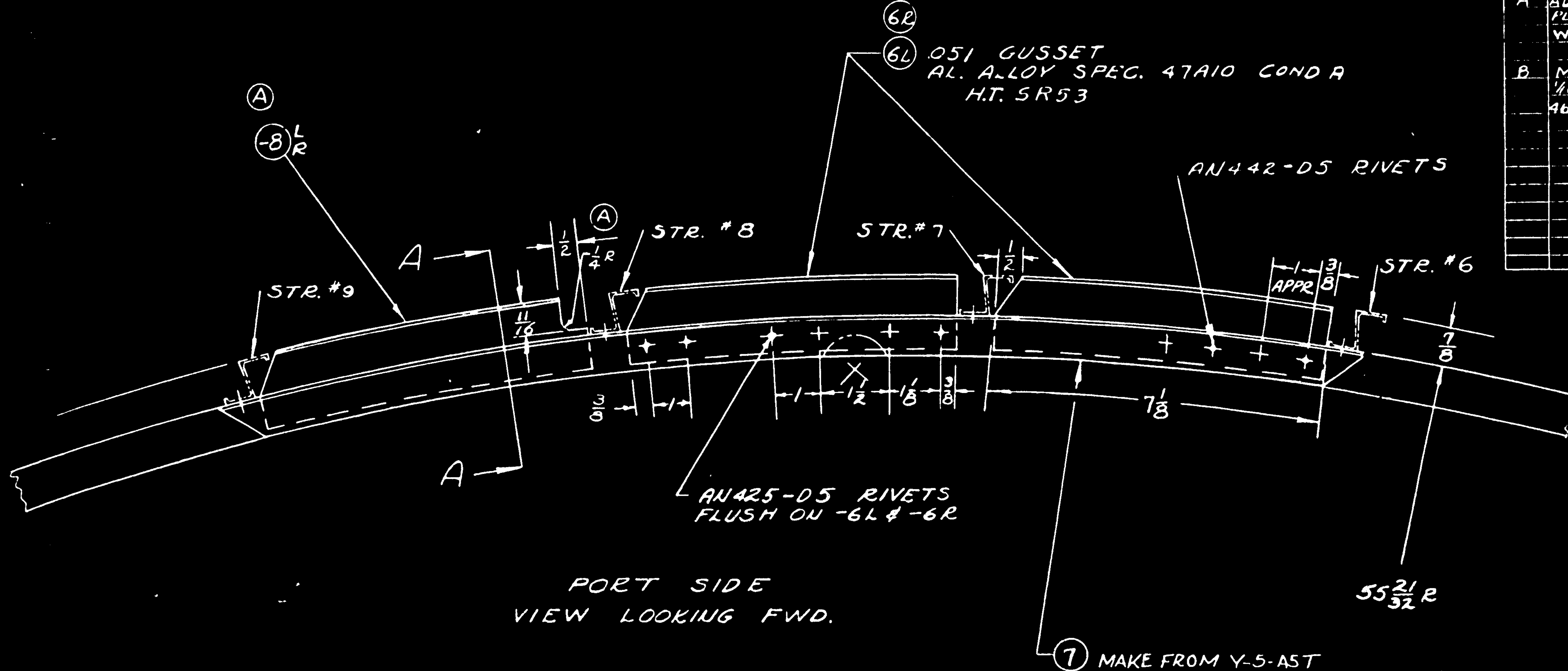
CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

GUSSET - HULL - LOWER CHANNEL - WAIST GUN OPENING STA. 6.2

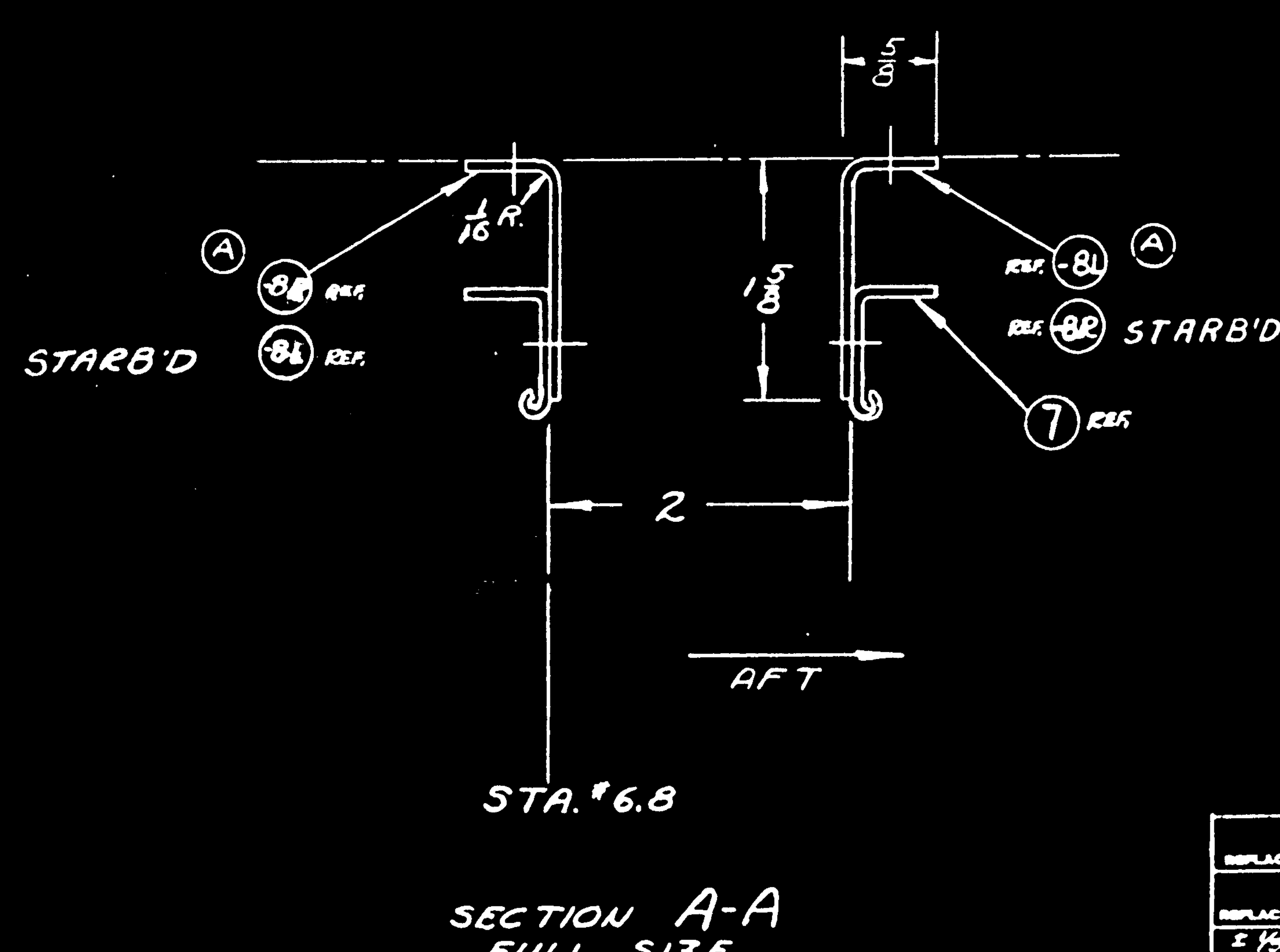
OPP HAND 28B4129-R

DWG SIZE D 28B4129

LET	ALTERATION	DATE	BY
A	ADDED -8L(2) & -8R(2) TO REPLACE -6L(4 WAS 6) & -6R(4 WAS 6) & DIMS 1/2, 11/16, & 1/4 R. WT CHG. NEG.	6-2-42	BENTLEY
B	MAT'L FOR -7 WAS "7/8 x 9/16" 1/16 BULB ANGLE AL. ALLOY SPEC. 46A9 ALCOA DIE "K1559" WT CHG. NEG.	5-1-43	



PORT SIDE
VIEW LOOKING FWD.



SECTION A-A
FULL SIZE

GP-GREEN PRIME

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

PLANES #1241 - #1243
(29-31)

O.H.	MODEL	NEXT ASSY.	REQ.
4/R	28-5AMC	28B4126	2
4/R	28-5ANN	28B4126	2
4/R	28-5 MN	28B4126	2
4/R	28-5 ME	28B4126	2
4/R	28-5MC	28B4126	2
4/R	28-5MA	28B4126-2	2
4/R	PBY5B	28B4126-2	2
4/R	PBY-5A	28B4126	2
4/R	PBY-5	28B4126	2

REQUIREMENTS PER AIRPLANE

PART NO.	REQ. LH	REQ. RH
AN425-D5		
AN442-D5		
-8R	1	1
-8L	1	1
-7	1	1
-6R	2	2
28B4133-6L	2	2

PARTS LIST PER ASSY.

REPLACES — APPROVED 1-13-39 — M.N.S. — CALC. WT. — ACT. WT. — LIMITS ± 1/32 — SCALE 6" = 1'-0"

	MATERIAL	SPEC.	HEAT TREAT	FINISH
AC				
NAVY	NOTED	NOTED	NOTED	Z-P-2 AL

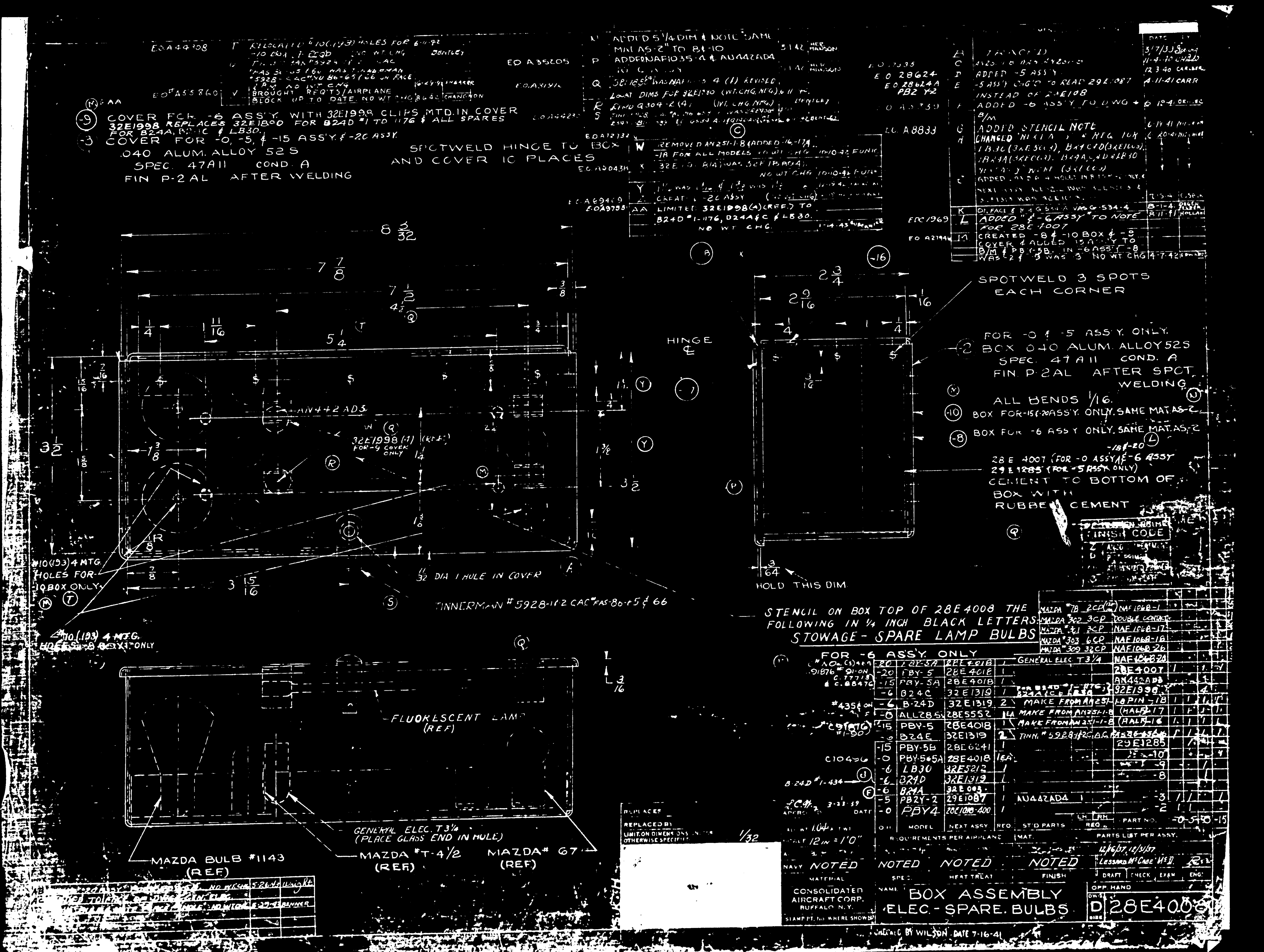
DRAFT / CHECK / EXAM / ENG.

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

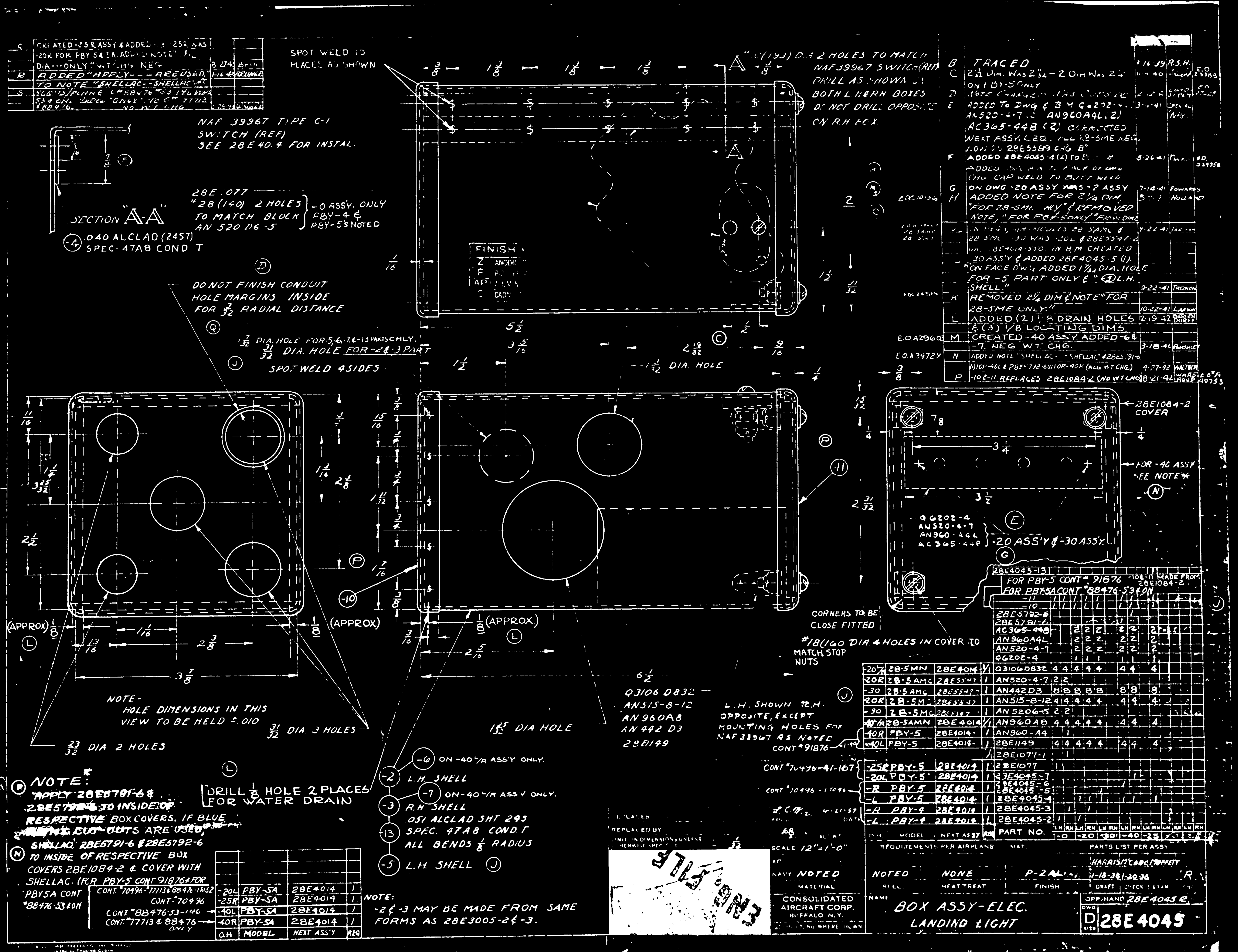
REINFORCEMENT - HULL FRAME #6.8

OPP. HAND 28B4133-R

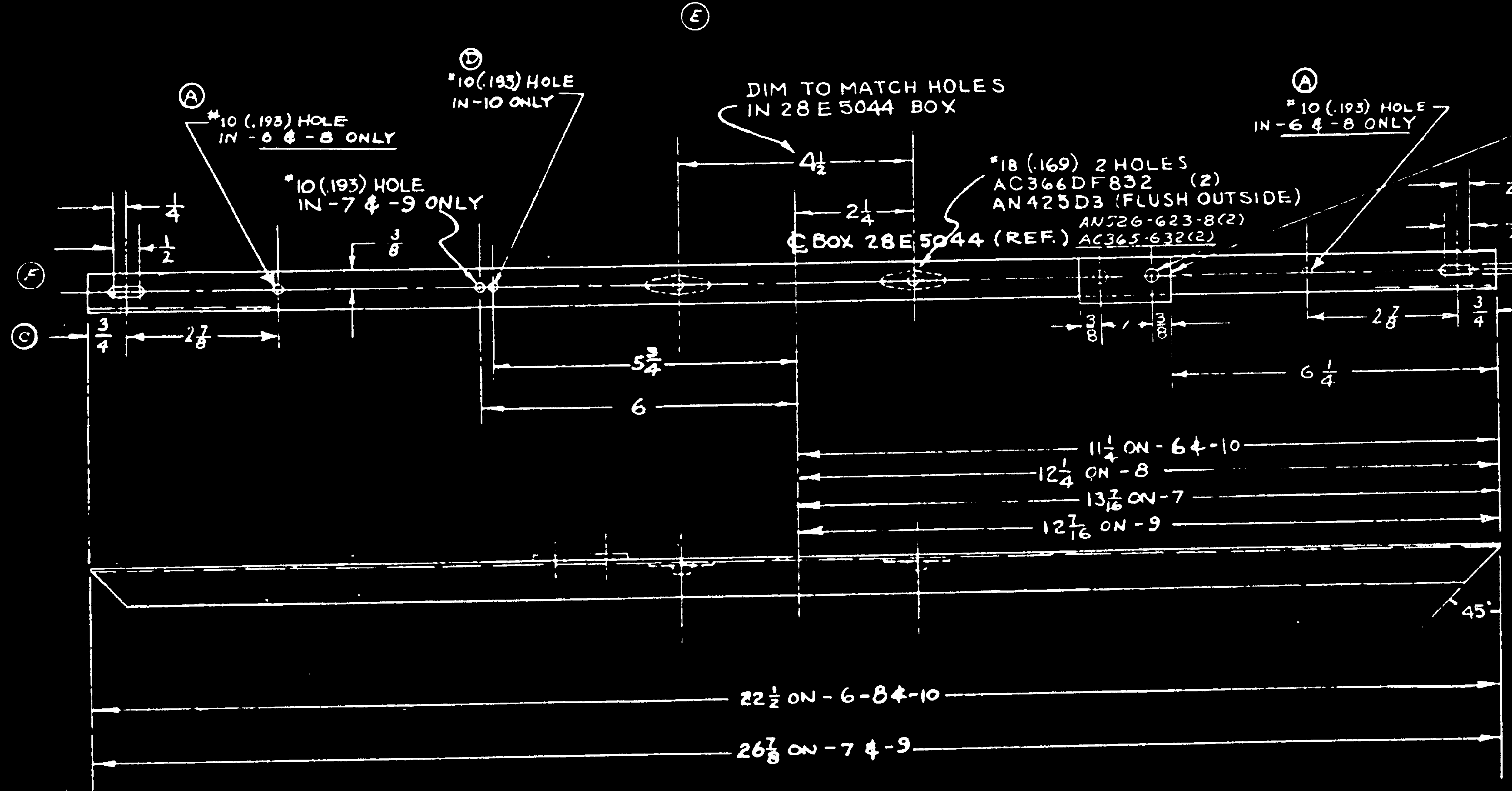
D 28B4133



-9 COVER FOR -6 ASS'Y. WITH 32E1998 CLIPS MTD. IN COVER
32E1998 REPLACES 32E1890 FOR B24D #1 TO 1176 & ALL SPARES
FOR B24A, B24C & LB30.
-3 COVER FOR -0, -5, & -15 ASS'Y. & -20 ASSY.
.040 ALUM. ALLOY 52S
SPEC. 47A11 COND. A
FIN P-2AL AFTER WELDING
SPOTWELD HINGE TO BOX AND COVER 10 PLACES
HINGE ℄
SPOTWELD 3 SPOTS EACH CORNER
FOR -0 & -5 ASS'Y. ONLY.
-2 BOX .040 ALUM. ALLOY 52S
SPEC. 47A11 COND. A
FIN P-2AL AFTER SPOT WELDING
ALL BENDS 1/16
-10 BOX FOR -15 & -20 ASS'Y. ONLY. SAME MAT. AS -2
-8 BOX FOR -6 ASS'Y ONLY. SAME MAT. AS -2
28E4007 (FOR -0 ASSY & -6 ASSY
29E1285 (FOR -5 ASSY ONLY)
CEMENT TO BOTTOM OF BOX WITH RUBBER CEMENT
AN442AD3
32E1998 (4) (REF.) FOR -9 COVER ONLY
#10 (.193) 4 MTG. HOLES FOR -10 BOX ONLY
#10 (.193) 4 MTG. HOLES -8 BOX ONLY
11/32 DIA 1 HOLE IN COVER
TINNERMAN #5928-112 CAC #FAS-86-65 & 66
HOLD THIS DIM.
STENCIL ON BOX TOP OF 28E4008 THE FOLLOWING IN 1/4 INCH BLACK LETTERS
STOWAGE - SPARE LAMP BULBS
FOR -6 ASSY. ONLY
FLUORESCENT LAMP (REF)
GENERAL ELEC. T 3/4 (PLACE GLASS END IN HOLE)
MAZDA BULB #1143 (REF)
MAZDA #T-4 1/2 (REF)
MAZDA # 67 (REF)
FINISH CODE
MAZDA #78 2CP — NAF 1068-1
MAZDA 302 3CP — DOUBLE CONTACT
MAZDA 311 3CP — NAF 1068-17
MAZDA 303 6CP — NAF 1068-18
MAZDA 309 32CP — NAF 1068-26
GENERAL ELEC. T 3/4 — NAF 1068-20
-20 PBY-5A 28E4018
-20 PBY-5 28E4018
-15 PBY-5A 28E4018
-6 B24C 32E1319
-6 B-24D 32E1319
-0 ALL 28-5 28E5552
-15 PBY-5 28E4018
-6 B24E 32E1319
-15 PBY-5B 28E6241
-0 PBY-5&5A 28E4018
-6 LB30 32E5212
-6 B24D 32E1319
-6 B24A 32E003
-5 PB2Y-2 29E1087
-0 PBY4 20E1018-400
28E4007, AN442AD3, 32E1998, AN-PIN-18, (HALF)-17, (HALF)-16, TINN. #5928-112 CAC, FAS-86-65-66, 29E1285, 28E-10, -9, -8, AU442AD4, -3, -2, -0 -5 -6 -15
MAKE FROM AN251-1-8
TINN. #5928-112 CAC
PART NO. — PARTS LIST PER ASSY.
MODEL — NEXT ASSY — REQ. — STD PARTS — REQ.
REQUIREMENTS PER AIRPLANE — MAT.
REPLACES — REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32
SCALE 1/2 IN = 1'0"
APPROVED 3-23-39
NAVY NOTED — NOTED — NOTED — NOTED
MATERIAL — SPEC. — HEAT TREAT — FINISH
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
NAME BOX ASSEMBLY ELEC. - SPARE. BULBS
D 28E4008
CHECKED BY WILSON DATE 7-16-41



SPOT WELD 10 PLACES AS SHOWN
NAF 39967 TYPE C-1 SWITCH (REF) SEE 28E4014 FOR INSTAL.
SECTION "A-A"
-4 .040 ALCLAD (24ST) SPEC. 47A8 COND. T
28E077 #28 (140) 2 HOLES TO MATCH BLOCK AN 520 D6-5
-0 ASSY. ONLY PBY-4 & PBY-5 NOTED
DO NOT FINISH CONDUIT HOLE MARGINS INSIDE FOR 3/32 RADIAL DISTANCE
SPOT WELD 4 SIDES
FINISH
CORNERS TO BE CLOSE FITTED
#18 (160 DIA. 4 HOLES IN COVER TO MATCH STOP NUTS
28E1084-2 COVER
FOR -40 ASSY SEE NOTE N
Q6202-4 AN520-4-7 AN960-A4L AC365-448 -20 ASSY & -30 ASSY
NOTE - HOLE DIMENSIONS IN THIS VIEW TO BE HELD ± .010
31/32 DIA. 3 HOLES
23/32 DIA 2 HOLES
1 15/16 DIA. HOLE
Q3106 D832 AN515-8-12 AN960A8 AN442 D3 28E1149
L.H. SHOWN. R.H. OPPOSITE, EXCEPT MOUNTING HOLES FOR NAF 39967 AS NOTED
DRILL 1/8 HOLE 2 PLACES FOR WATER DRAIN
-6 ON -40 L/R ASS'Y ONLY.
-2 L.H. SHELL
-7 ON -40 L/R ASS'Y ONLY.
-3 R.H. SHELL
-13 .051 ALCLAD SHT 24ST SPEC. 47A8 COND T ALL BENDS 1/8 RADIUS
-5 L.H. SHELL
NOTE: APPLY 28E5791-6 & 28E5792-6 TO INSIDE OF RESPECTIVE BOX COVERS. IF BLUE ... CUT OUTS ARE USED.
N SHELLAC 28E5791-6 & 28E5792-6 TO INSIDE OF RESPECTIVE BOX COVERS 28E1084-2 & COVER WITH SHELLAC. (FOR PBY-5 CONT 91876 & FOR PBY5A CONT 88476-53 & ON
NOTE: -2 & -3 MAY BE MADE FROM SAME FORMS AS 28E3005-2 & -3.
B TRACED
E ADDED TO DWG & B.M. Q6202-4, AN520-4-7, AN960A4L (2), AC365-448 (2)
K REMOVED 2 1/4 DIM & NOTE "FOR 28-5ME ONLY."
L ADDED (2) 1/8 DRAIN HOLES & (3) 1/8 LOCATING DIMS.
M CREATED -40 ASSY. ADDED -6 & -7. NEG WT CHG.
P -10 & -11 REPLACES 28E1084-2 (NO WT CHG)
SCALE 12" = 1'-0"
CONSOLIDATED AIRCRAFT CORP. BUFFALO N.Y.
BOX ASSY-ELEC. LANDING LIGHT
D 28E4045



LET	ALTERATION	DATE	BY
A	ADDED 2 #10 HOLES TO -6 ONLY	1-14-4[illegible]	[illegible]
B	CREATED -2 -3 & -4 ASSY & ADDED -8 & -9 TO B.M. & DWG FOR SHIPS ON CONTR. #77713 CORRECTED REQ PER AIRPLANE	6-1[illegible]	[illegible]
C	CHGD. SLOT LOC. TO END 5/A DIM. ADDED 28E5044 NOTE (℄).	7-10-4[illegible]	[illegible]
D	CHANGED -0 ASS'Y TO -5 ASS'Y ADDING #10 HOLE 5 3/4 FROM ℄ OF STARTER BOX.	8-14-4[illegible]	[illegible]
E	ADD. -11(1), AN526-632-8(2) & AC365-632(2) (WT CHG. NEG)	4-7-42	[illegible]
F	1/4 WAS 1/8, 1/2 WAS 1/4, 3/4 WAS 5/8, 2 7/8 WAS 3, .193 WAS 3/32 R (NO WT. CHG)	6-1-42	[illegible]
G	MOVED -11 TO OPPEND NO WT. CH	6-23-42	[illegible]
H	REMOVED -0 & -2 ASS'YS FOR PBY-5B NA 28E5053 NO WT. CH.	[illegible]-23-42	[illegible]
J	IN B/M, FOR -6, -8, & -10, REPLACED "K5401 X 22 3/4 24ST AL AL, 46A10T" WITH "Y-2-A27T X 22 3/4" & FOR -7 & -9, REPLACED "K5401 X 27, 24ST AL AL, 46A10T" WITH "Y-2-A27T X 27" EFCT RELEASES UP TO DATE NO CHG. NEG	5-6-4[illegible]	[illegible]
K	IN B/M, FOR -6, -8, -10, REPLACED "Y-2-A27T X 22 3/4" WITH "NOTED" FOR -7 & -9, REPLACED "Y-2-A27T X 27" WITH "NOTED." ADDED NOTES #3 & #4. NO WT CHG.	10-22-43	[illegible]

E.O. 28643 PBY-5 28-5 AC
28-5MC & AMC
E.O. #A20113 A
E.O. #A40497A

NOTES:
1. - BREAK ALL SHARP EDGES
2. - FINISH:- Z-P. (ATTACH NUT PLATES AFTER FIN -6-7-8-9)
3. - MAT'L. FOR -6, -8, & -10 MAY BE-
   (A) Y-2-A27T X 22 3/4, OR
   (B) K5401 X 22 3/4, AL. AL. EXTR, SPEC. QQ-A-354-T.
4. - MAT'L. FOR -7 & -9 MAY BE-
   (A) Y-2-A27T X 27, OR
   (B) K5401 X 27, AL. AL. EXTR., SPEC. QQ-A-354-T.

FINISH - Z - ANODIZE, P - P27 PRIMER

ASSY DASH NO.	MODEL	NEXT ASSY	REQ
-3 & -5	28-5AMC	28E5053	2
-0 & -2	28-5AMN	28E5053	2EA
-3 & -4	PBY-5B	28E6099	2EA
-3 & -4	PBY-5	28E5053	2EA
-3 & 4	PBY-5A	28E5053	2EA
-0 & 2	28-5MA	28E5053	2EA
-0 & 5	28-5AMC	28E5053	2EA
-0 & 2	28-5MN	28E5053	2EA
-0 & 5	28-5MC	28E5053	2EA
-0 & 2	28-5ME	28E5053	2EA
-0 & 2	PBY-5A	28E5053	2EA
-0 & 2	PBY5	28E5053	2EA

REQUIREMENTS PER AIRPLANE

C 9876 — #88476, #77713 →
CONTR. #70496 →

PART No	STOCK	MATERIAL	SPEC
AC365-632			
AN526-632-8			
28E5045-11	1/8 x 7/8 x 1 3/4	MICARTA	
AC366DF832			
AN425D3			
28E5045-10	NOTED	NOTED	NOTED
28E5045-9	NOTED	NOTED	NOTED
28E5045-8	NOTED	NOTED	NOTED
28E5045-7	NOTED	NOTED	NOTED
28E5045-6	NOTED	NOTED	NOTED

PARTS LIST PER ASSY. (REQ -0, -2, -3, -4, -5)

REPLACES — NOTED CALC WT
REPLACED BY — ACT WT
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 — SCALE 6" = 1'-0"
STAMP PART NUMBER WHERE SHOWN

ENG. FILE

WGHT.		
-8	-6	.20
-9	-7	.23

AC
NAVY NONE — NOTED -
HEAT TREAT — FINISH
DRAFT — CHECK — STRUCT — MAT

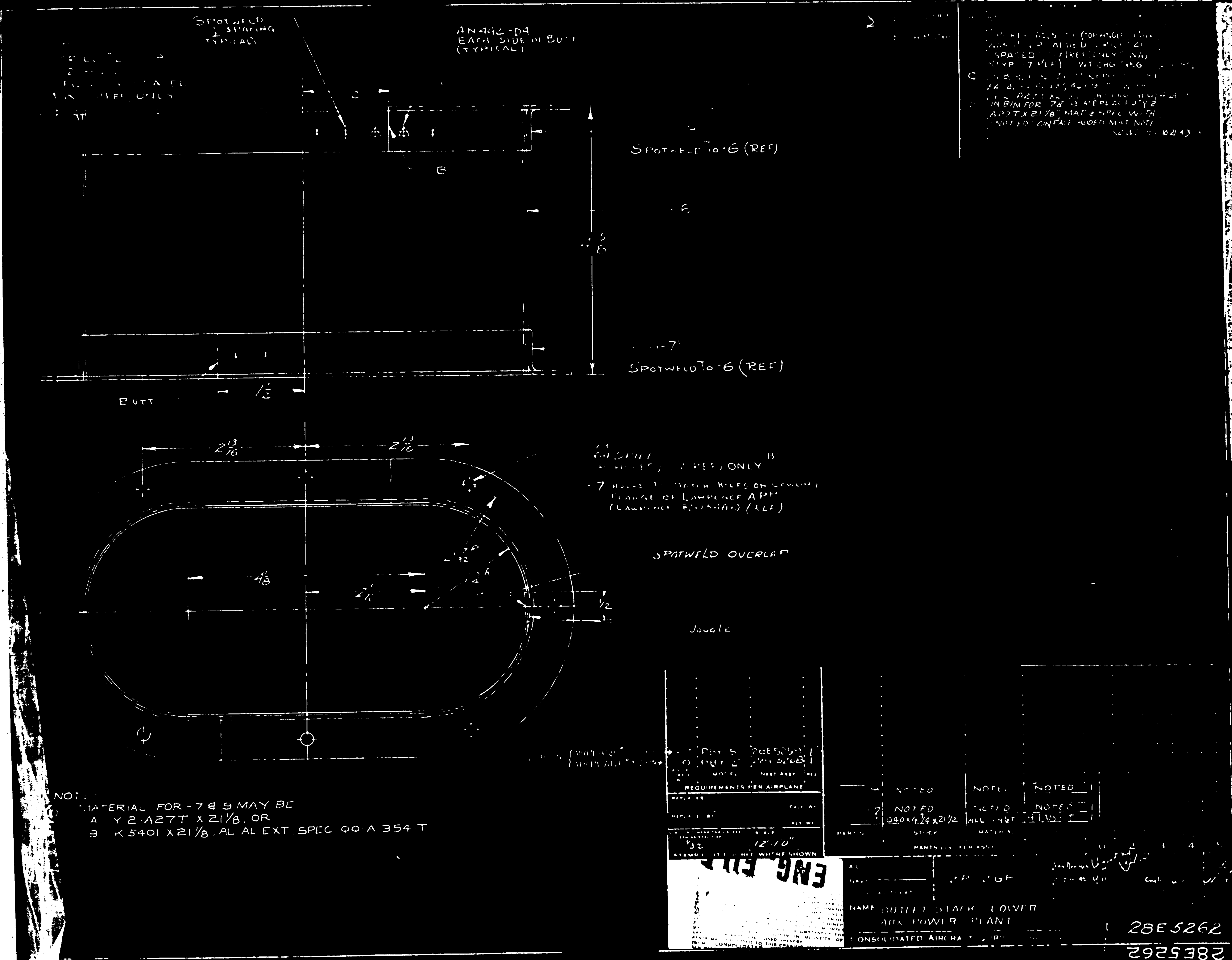
NAME SUPPORT - ELEC. - STARTER RELAY SWITCH ASS'Y

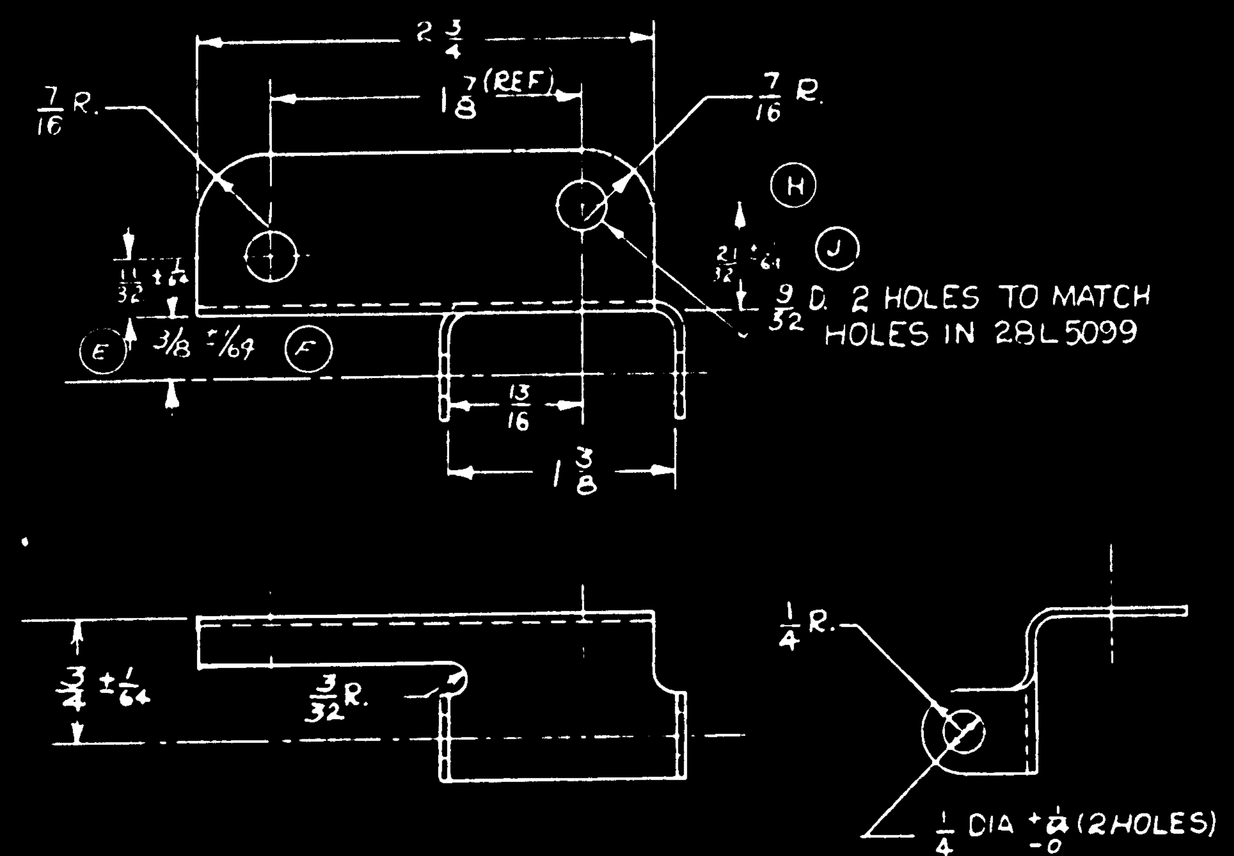
OPP HAND NONE

DWG SIZE D — 28E5045

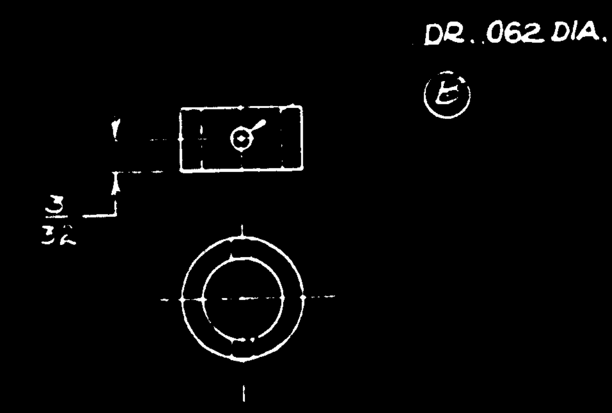
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.

28E5045

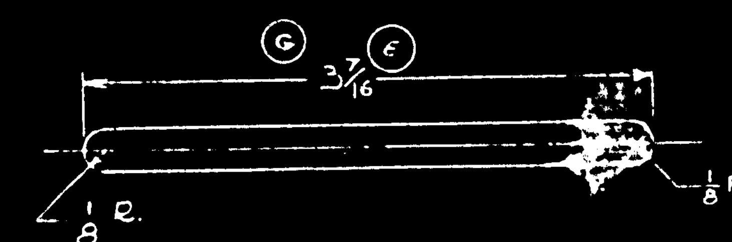

SPOTWELD 1 SPACING TYPICAL
AN442-D4 EACH SIDE OF BUTT (TYPICAL)
SPOTWELD TO -6 (REF)
-6
-7
SPOTWELD TO -6 (REF)
BUTT
1/2
2 13/16
2 13/16
2 1/16
1/2
SPOTWELD OVERLAP
JOGGLE
NOTE:
MATERIAL FOR -7 & -9 MAY BE
A Y 2 A27T X 21 1/8, OR
B K 5401 X 21 1/8, AL AL EXT SPEC QQ A 354-T
REQUIREMENTS PER AIRPLANE
PARTS LIST PER ASSY
NOTED
ENG FILE
NAME OUTLET STACK LOWER
AUX POWER PLANT
CONSOLIDATED AIRCRAFT CORP
28E5262



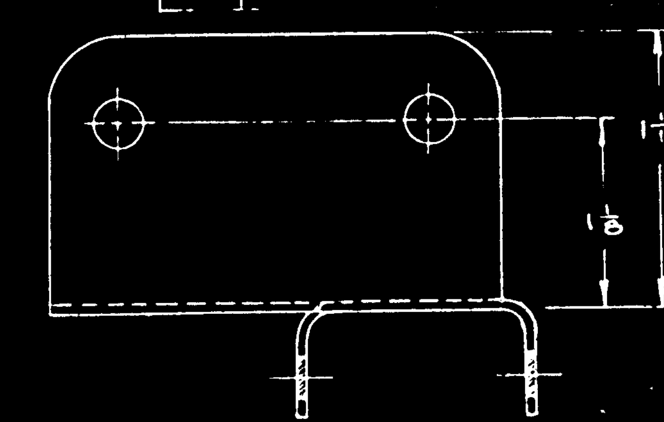
DETAIL -6
FINISH: CP-2GP
BEND & RELIEF RADII 1/8



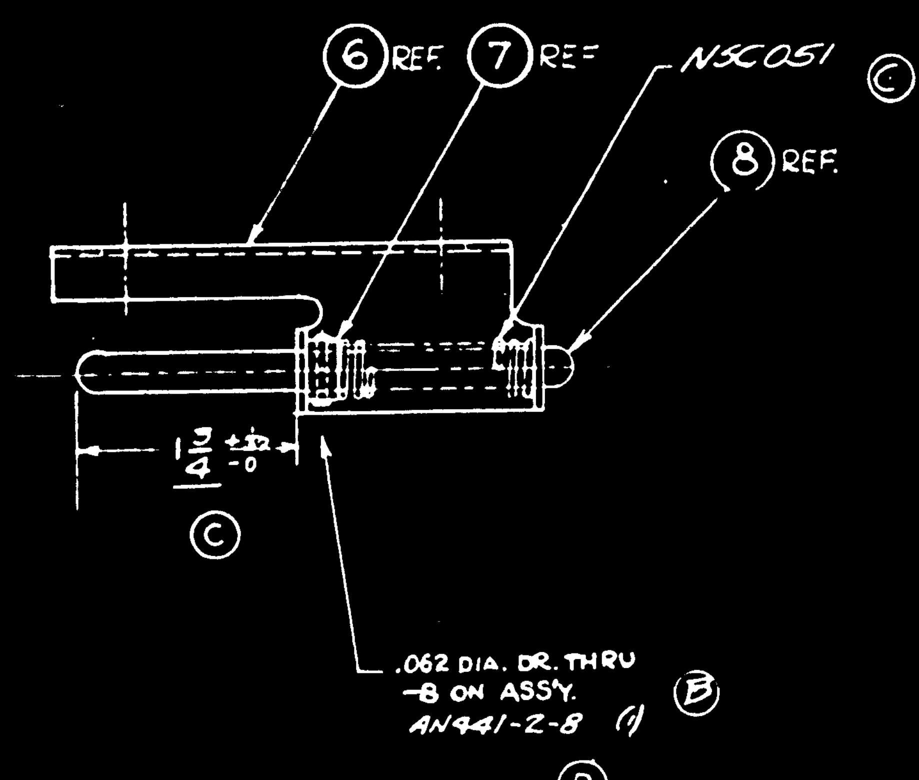
DETAIL -7
SCALE: 24" = 1'-0"
FINISH: CP-2 GP



DETAIL -8
FINISH: C



DETAIL -10 (K)
LIKE -6 EXCEPT AS SHOWN



ASSEMBLY

NOTES-
1.- THIS ASSEMBLY IS USED ON BOTH R & L LANDING STRUTS.
(M) 2.- MAT'L. FOR -8 MAY BE-
(A) 1/4 DIA. X 3 1/2, STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. FM, COND. B, OR
(B) 1/4 DIA. X 3 1/2, STAINLESS STEEL ROD, SPEC. AN-QQ-S-771, COMP. G, COND. A.

	LTR	ALTERATION	DATE	BY
	A	DETAIL-6 CHANGED (REF)	2-13-41	KAISER
	B	.062 DIA. DR. THRU NOTE WAS .062 DIA DR. THRU FLUSH RIVET BOTH ENDS. REMOVED CSK. FROM DETAIL -7 AN 441-2-8P(1) WAS AN 430-2-7P(1) NO WT CHG	3/7/41	CARLSON
E.O. A18346	C	NSC051 WAS 28B1182 1 3/4 DIM WAS 1 7/8 NEG. WT CHG	3/7/42	CARLSON
	D	AN441-2-8 (1) WAS AN441-2-8 P (1). WT. CHG NEG.	4-21-42	GENDERS
E.O. A43099	E	DIMS 2 1/16 WAS 3 1/16 & 1/2 ± 1/64 WAS 3/8 ± 1/64 NEG WT CHG	7-16-42	WUNDERG
	F	CHG'D DIM 1/2 ± 1/64 TO 3/8 ± 1/64 IN DETAIL -6 NO WT CHG	7-18-42	WEINBERG
E.O. A 43012	G	3 7/16 DIM WAS 2 15/16. WT CHG NEG	8-6-42	BEIM
E.O. A53517	H	11/32 & 21/32 WERE 17/32. WT. CHG NEG.		
E.O. A57181	J	CHANGED LOCATION OF DIM 21/32 ... NO WT. CHG	10-13-42	FUNK
	K	CREATED -2 ASSY IDENTICAL TO -0 ASSY EXCEPT -10 REPLACES -6. ADDED DETAIL -10 IDENTICAL TO -6 EXCEPT OMIT 11/32 ± 1/64 DIM & 21/32 ± 1/64 DIM. ADDED 1 11/16 DIM & 1 1/8 DIM NO WT. CHG	5/1/43	HARVEY
	L	NSC051 (1) WAS (2) WT. CHG. NEG.	8-6-43	MAIN
	M	IN B/M, FOR -8, REPLACED "1/4 DIA. X 3 1/2, C.R. ST'L. ROD, 4651B GR. 7, TYPE E" WITH "NOTED" ON FACE, ADDED NOTE #2. NO WT. CHG.	9-11-43	Pollett

GP - GREEN PRIMER

FINISH CODE	
	ANODIC TREATMENT
P	[illegible] PRIMER
AF	ALUMINIZED PRIMER
C	CADMIUM [illegible]

	ASSY DASH NO	MODEL	NEXT ASSY	REQ
NO a(S)464	-2	PBY-5A	28E5629	2
	-0	28-5AMN	28E5629	2
	-0	28-5AMC	28E5629	2
C*70496-*77713-*88476 ONLY	-0	PBY-5A	28E5629	2

REQUIREMENTS PER AIRPLANE

REPLACES — REPLACED BY — CALC WT .03 — ACT WT

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED 1/32 — SCALE 12" = 1'-0" & NOTED

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC
NSC051			
AN441-2-8			
-10	.050 X 3 X 3 7/8	C.M. STEEL	AN QQ-S-685
-8	NOTED	NOTED	NOTED
-7	Q600C8-6		
-6	.050 X 2 1/8 X 3 7/8	CH. MOLY SHT.	47A14

PARTS LIST PER ASSY — REQ -0, -2, -3, -4, -5 (LH RH)

A.C. — NAVY NONE — HEAT TREAT

NOTED ON DETAILS — FINISH

DRAFT: 12-2-40 — CHECK: McCabe 12/7/40 — STRUCT — MAT: TRUAX, J.FR — ENG: McColgan

OPP HAND NOTED

NAME PLUNGER ASS'Y - ELEC. - M.L.G. UP-LATCH SWITCH

CONSOLIDATED AIRCRAFT CORP — SAN DIEGO CALIF

DWG SIZE D — 28E5632

R 28E5632

LET	ALTERATION	DATE	BY
C	CHANGED WIRING. 653 WAS [illegible] ... WAS [illegible] ... 157 WAS 287. (NO [illegible])	8-5-42	BENTLEY

E O A 51251

CONTRACT 88476

PBY-5A — MODEL

REQUIREMENTS PER AIRPLANE

NONE — SCALE NONE

STAMP PART NUMBER WHERE SHOWN

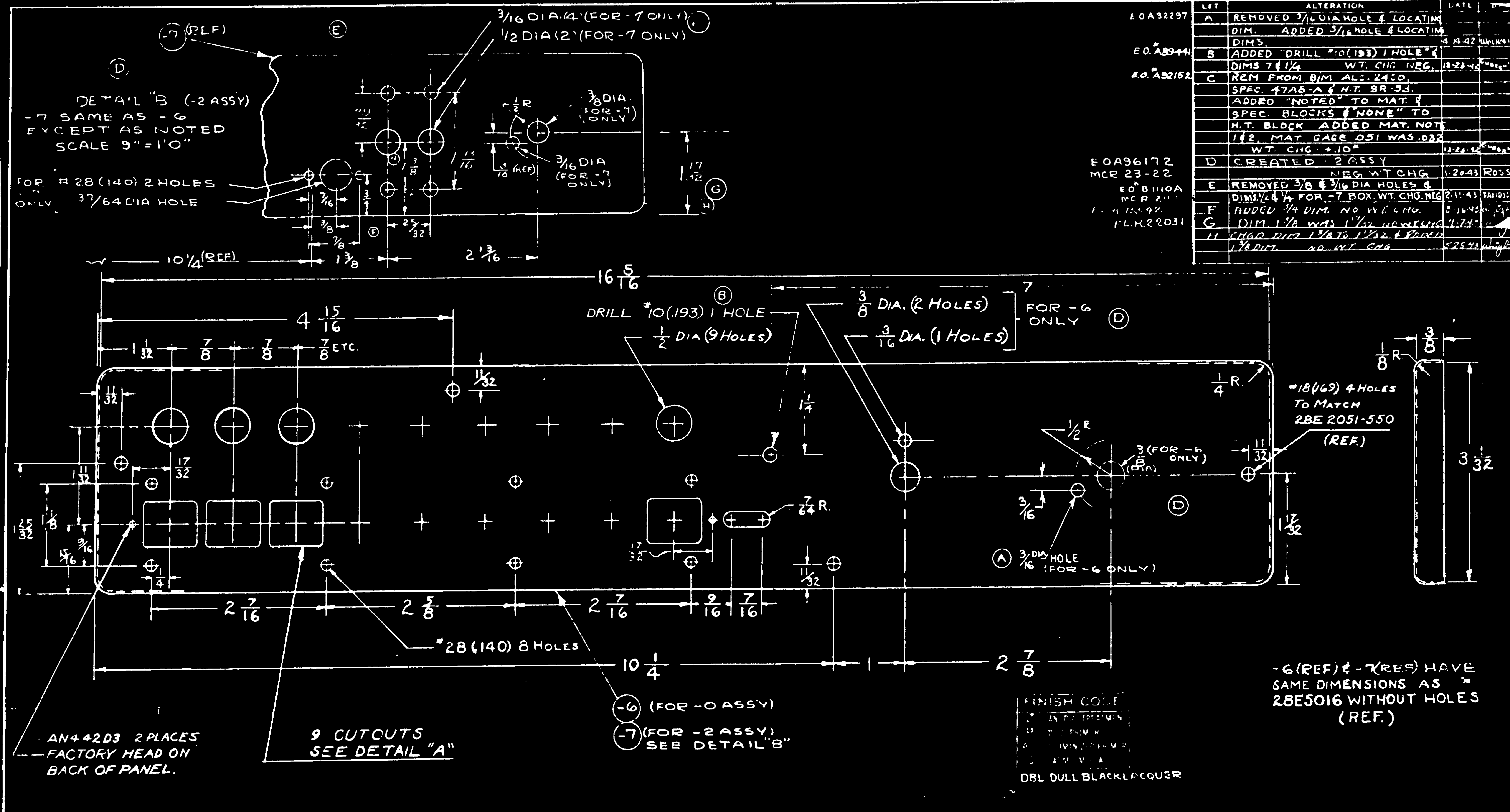
PARTS LIST PER ASSY — -0, -2, -3, -4, -5

HEAT TREAT: NONE — FINISH: NONE

NAME: WIRING DIAGRAM ELECTRICAL SYSTEM

DWG SIZE D — 28E5675 — SHEET 3 OF 4 SHEETS

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF



FOR TOOLING INFORMATION REFER TO 28E5016

MATERIAL NOTE:
1. AL. AL 52SO, SPEC 47A11, TEMP. A, H.T. NONE.
2. AL. 3S 1/2H, SPEC. 47A4 CL 1/2H, H.T. NONE.

	LET	ALTERATION	DATE	BY
E.O.A32297	A	REMOVED 3/16 DIA HOLE & LOCATING DIM. ADDED 3/16 HOLE & LOCATING DIMS.	4-14-42	
E.O.A89441	B	ADDED DRILL #10 (193) 1 HOLE & DIMS 7 & 1 1/4 WT. CHG. NEG.	12-23-42	
E.O.A92152	C	REM FROM B/M ALC. 2450, SPEC. 47A6-A & H.T. SR-33. ADDED "NOTED" TO MAT. & SPEC. BLOCKS & "NONE" TO H.T. BLOCK ADDED MAT. NOTE 1 & 2. MAT GAGE .051 WAS .032 WT. CHG. +.10#	12-29-42	
E.O.A96172 MCR 23-22	D	CREATED -2 ASSY NEG. WT. CHG.	1-20-43	ROSS
E.O.B1110A	E	REMOVED 3/8 & 3/16 DIA HOLES & DIMS 1/4 & 1/4 FOR -7 BOX. WT. CHG. NEG	2-11-43	
	F	ADDED 3/4 DIM. NO WT. CHG.	3-16-43	
F.L.R.22031	G	DIM. 1 7/8 WAS 1 7/32 NO WT. CHG.		
	H	CHGD DIM 1 3/8 TO 1 17/32 & ADDED 1 7/8 DIM. NO WT. CHG		

MCR.23-22 C91876-#3468 ON CONT. NO a(s) 464
#1-345 - CONTRACT #91876
CONTRACT #88476 ONLY

ASSY DASH NO.	MODEL	NEXT ASSY.	REQ.
	-5A	28E5771	1
-0	PBY-5	28E5771	1
-0	PBY-5A	28E5771	1

REQUIREMENTS PER AIRPLANE

PART NO	STOCK	MATERIAL	SPEC	-0 REQ.	-2 REQ.
AN442-D3					
-7	.051 X 6 X 19	NOTED	NOTED		1
-6	.051 X 6 X 19	NOTED	NOTED	1	

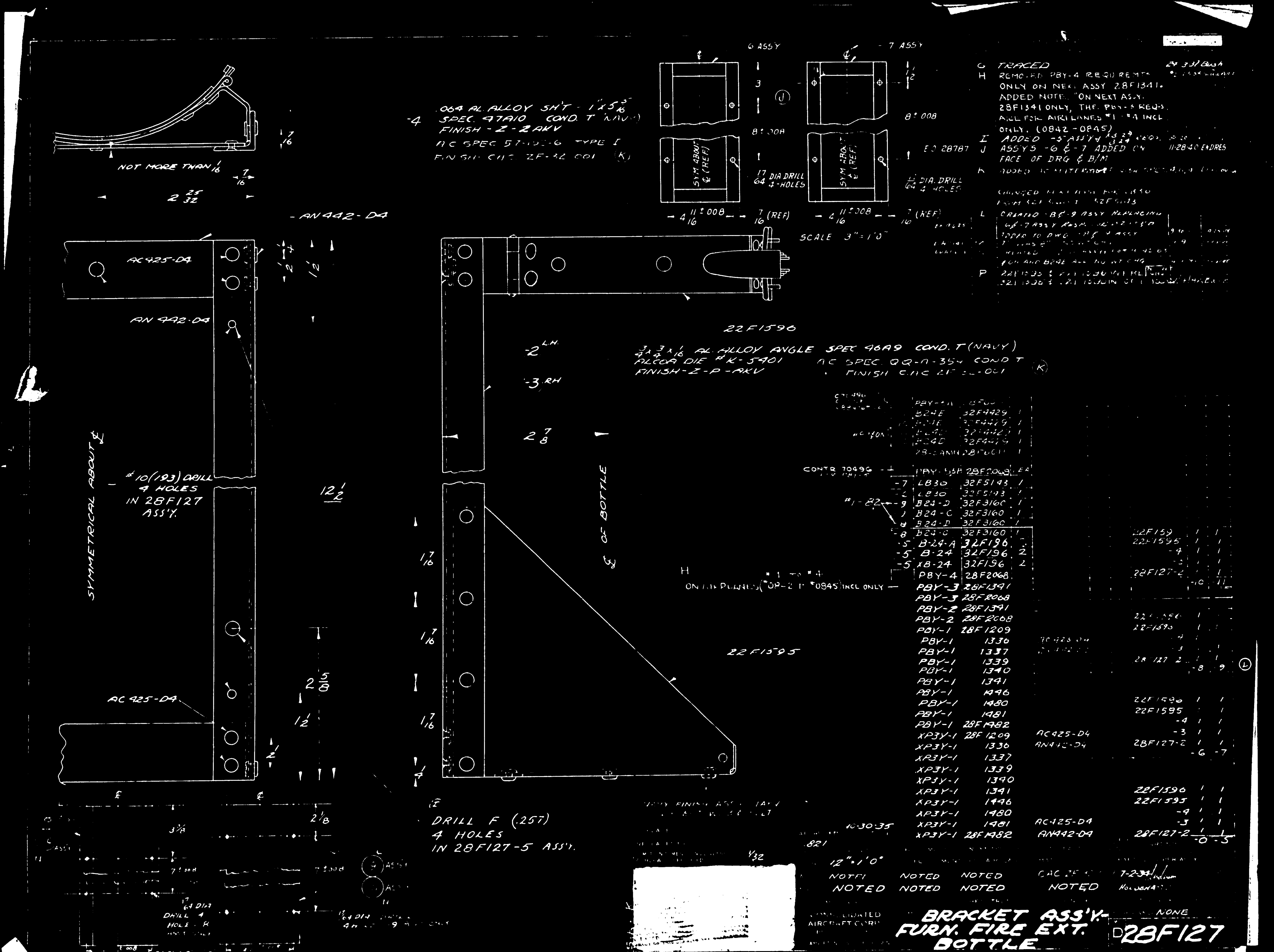
PARTS LIST PER ASSY.

TOLERANCE: 1/32 — SCALE 12"=1'0"
STAMP PART NUMBER WHERE SHOWN

NAVY NONE — HEAT TREAT
P-2DBL — FINISH
DRAFT MOORE 1-5-42

NAME COVER-ELEC.-PILOTS SIGNAL SYSTEM BOX
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF
OPP. HAND NONE
DWG SIZE D — 28E5770

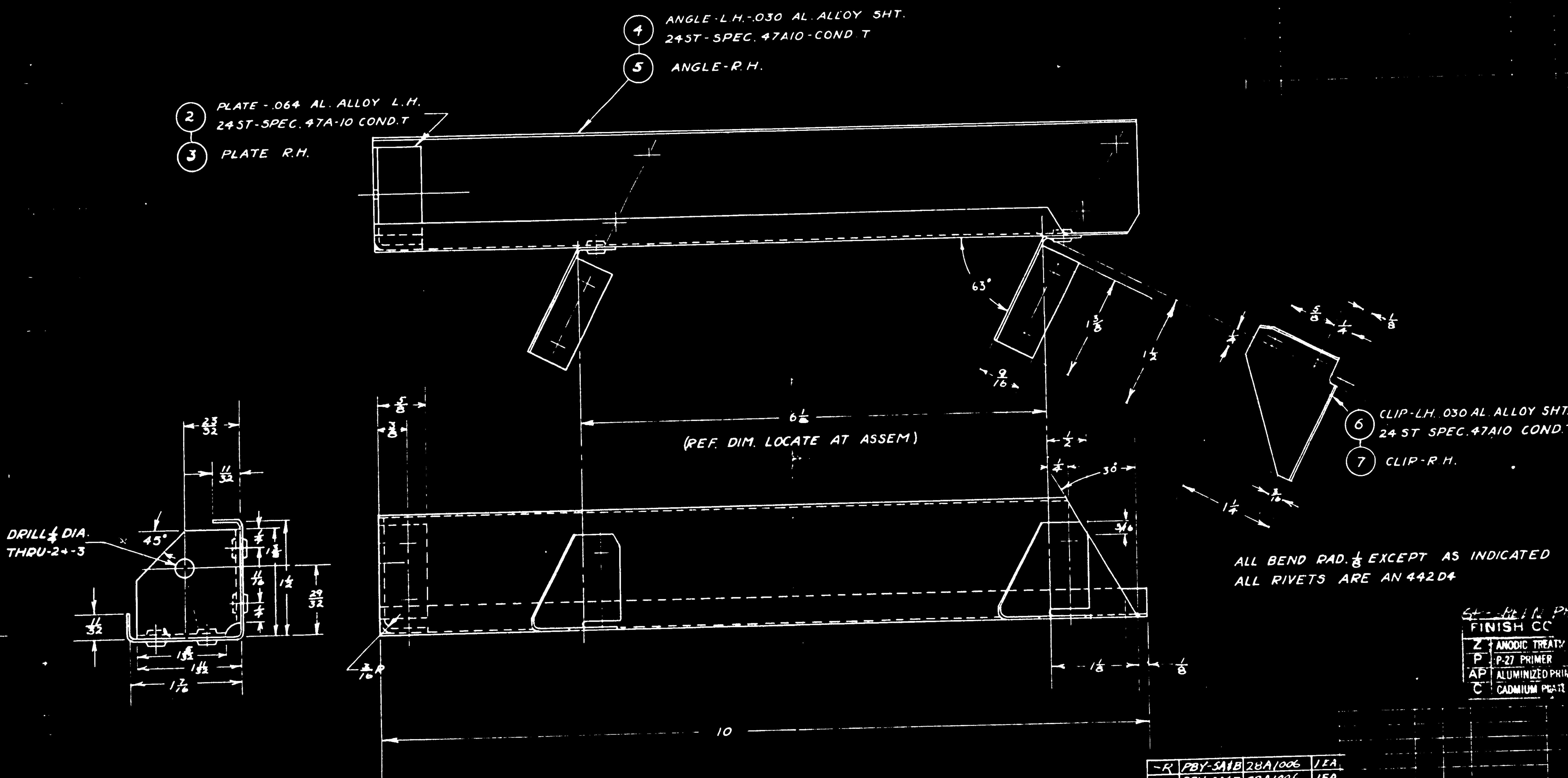
ENG. FILE



NOT MORE THAN 1/16
.064 AL. ALLOY SH'T - 1" x 5 5/16
-4 SPEC. 47A10 COND. T (NAVY)
FINISH - Z - 2 AKV
AN 442 - D4
AC 425 - D4
AN 442 - D4
#10 (.193) DRILL 4 HOLES IN 28F127 ASS'Y.
SYMMETRICAL ABOUT ℄
12 1/2
2 5/8
AC 425 - D4
6 ASSY
7 ASSY
SYM. ABOUT ℄ (REF)
17/64 DIA. DRILL 4 HOLES
SCALE 3" = 1'0"
22F1596
-2 L.H.
-3 R.H.
3/4 x 3/4 x 1/16 AL. ALLOY ANGLE SPEC 46A9 COND. T (NAVY)
ALCOA DIE #K-5401
FINISH - Z - P - AKV
℄ OF BOTTLE
22F1595
DRILL F (.257) 4 HOLES IN 28F127-5 ASS'Y.
G TRACED
H REMOVED PBY-4 REQUIREMENTS ONLY ON NEXT ASSY 28F1341. ADDED NOTE "ON NEXT ASSY. 28F1341 ONLY, THE PBY-5 REQ'S. ARE FOR AIRPLANES #1-#4 INCL. ONLY. (0842-0845)"
I ADDED -5 ASS'Y
J ASSY'S -6 & -7 ADDED ON FACE OF DRG & B/M
PBY-3 28F1391
PBY-3 28F2068
PBY-2 28F1391
PBY-2 28F2068
PBY-1 28F1209
XP3Y-1 28F1209
XP3Y-1 28F1482
AC425-D4
AN442-D4
22F1596
22F1595
28F127-2
10-30-35
12" = 1'0"
NOTED
CONSOLIDATED AIRCRAFT CORP.
BRACKET ASS'Y - FURN. FIRE EXT. BOTTLE
NONE
D 28F127

LET	ALTERATION	DATE	BY
A	TRACED	4-3-37	H.W.

SUPPLIES & EQUIPMENT CLASSIFICATION



ALL BEND RAD. ⅛ EXCEPT AS INDICATED
ALL RIVETS ARE AN 442D4

FINISH CODE	
Z	ANODIC TREAT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

O.H.	MODEL	NEXT ASSY.	REQ	ST'D PARTS	REQ LH	REQ RH	PART NO.	REQ LH	REQ RH
-R	PBY-5A&B	28A1006	1EA						
-L	PBY-5A&B	28A1006	1EA						
-1	PBY-4	28A1006							
	PBY-4	28A1006							
-1	PBY-3	28A1006							
	PBY-3	28A1006							
-1	PBY-2	28A1006					-7		2
	PBY-2	28A1006					-6	2	
-1	XP3Y-1	28A1006					-5		1
	XP3Y-1	28A1006					-4	1	
-1	PBY-1	28A1006		AN442D4		10	-3		1
	PBY-1	28A1006		AN442D4	10		28F1172-2	1	

REQUIREMENTS PER AIRPLANE — MAT. — PARTS LIST PER ASSY.

REPLACES
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32

APPROVED: R.P.W. DATE: 4-3-37
CALC WT. .15
SCALE 12" = 1'-0"
AC
NAVY NOTED — MATERIAL
NOTED — SPEC
NONE — HEAT TREAT
Z-P-2 — FINISH

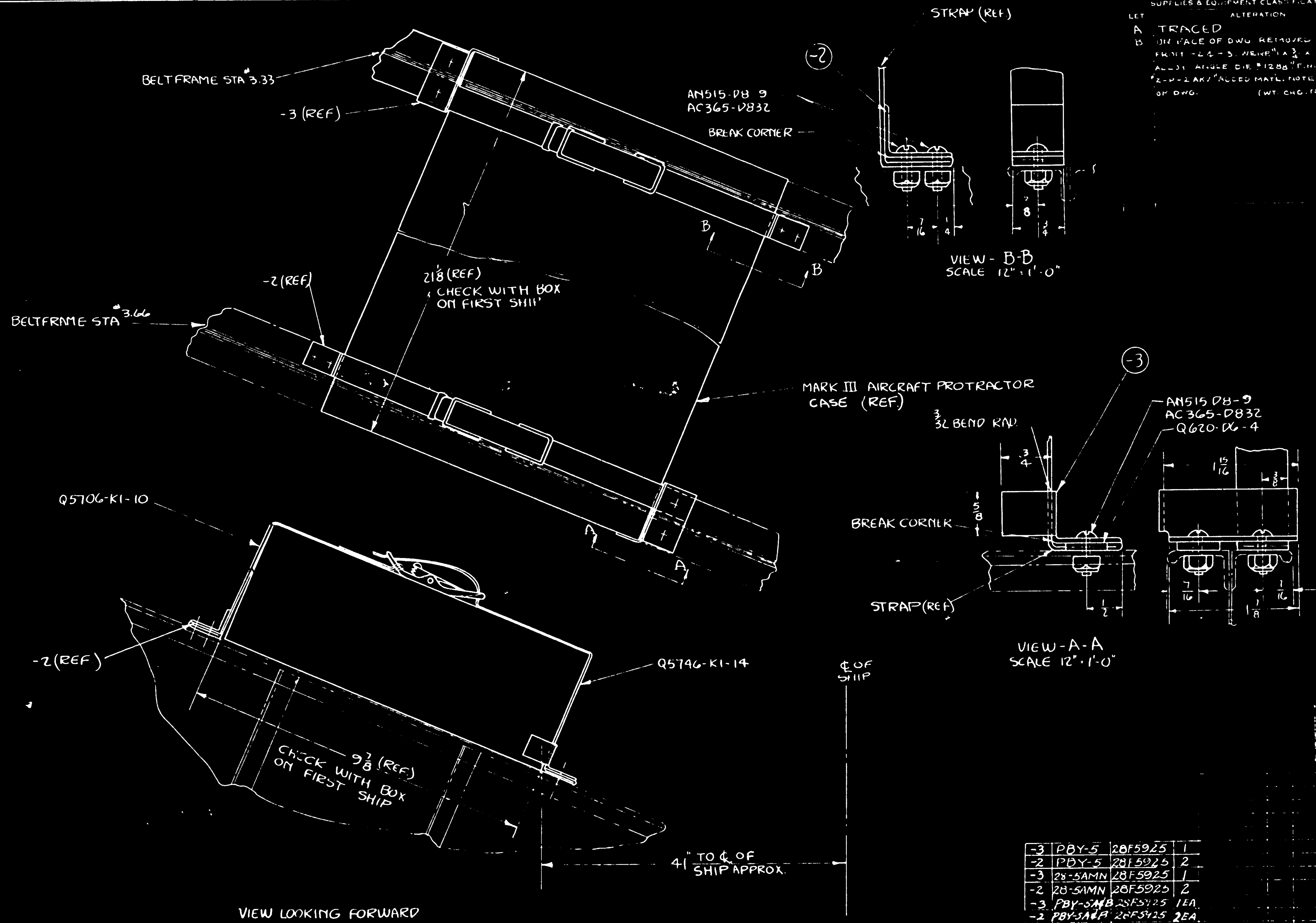
3-9-36 GREEN
LIVERS 4-6-37 3-29-36
DRAFT | CHECK | EXAM | ENG.

CONSOLIDATED AIRCRAFT CORP.
BUFFALO N.Y.
STAMP PT. No. WHERE SHOWN

NAME: GUARD ASSEM - FIXED EQUIP. RELEASE CABLE FLARES

OPP HAND 28F1172-1

DWG SIZE D — 28F1172



NOTES:
1. MATERIAL FOR -2:
   Y-6-A 26T X 7/8,
2. MATERIAL FOR -3:
   Y-6-A 26T X 2 7/8.
3. FINISH FOR -2 & -3: Z P-20P.

	MODEL	NEXT ASSY	REQ.
-3	PBY-5	28F5925	1
-2	PBY-5	28F5925	2
-3	28-5AMN	28F5925	1
-2	28-5AMN	28F5925	2
-3	PBY-5A&B	28F5925	1EA.
-2	PBY-5A&B	28F5925	2EA.
	PBY-4	28F1002	
	PBY-3	28F1002	
	PBY-2	28F1002	
	PBY-1	28F1002	1

REQUIREMENTS PER AIRPLANE

STD PARTS	REQ.	PART NO.	REQ.
		Q5706-K1-10	2
		Q5746-K1-14	2
		Q620-D6-4	2
AN515-D8-9	8	-3	2
AC365-D832	8	28F1538-2	2

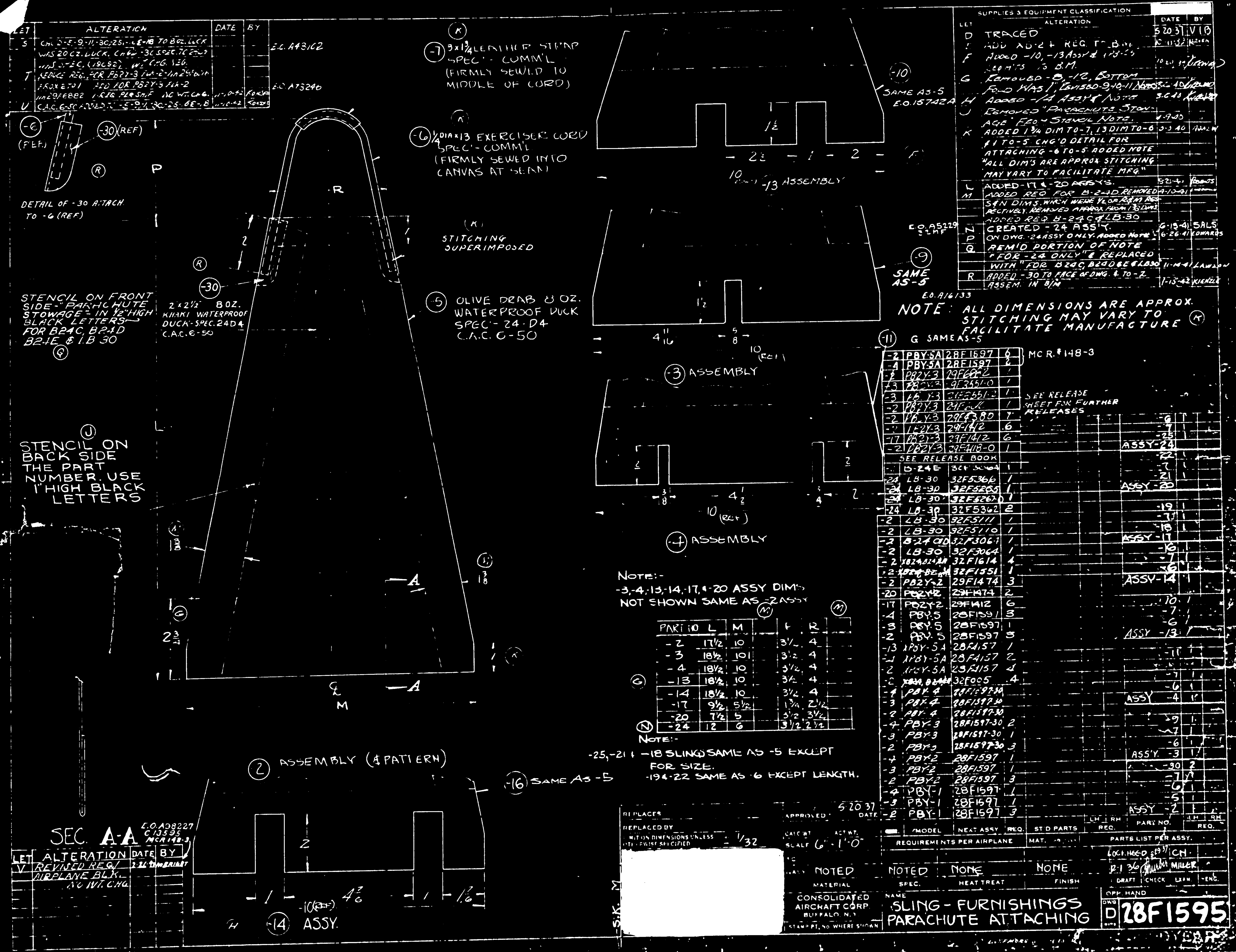
PARTS LIST PER ASSY.

APPROVED 4-17-37 DATE
SCALE 6" & 12" = 1'-0"
LIMIT OF DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32
MATERIAL: NOTED
SPEC.: NOTED
HEAT TREAT: NONE
FINISH: NOTED
DRAFT / CHECK: 9-9-36 ERSELIUS 5-20-37 MILLER

CONSOLIDATED AIRCRAFT CORP.
BUFFALO, N.Y.

STOWAGE - FURN AIRCRAFT PROTRACTOR

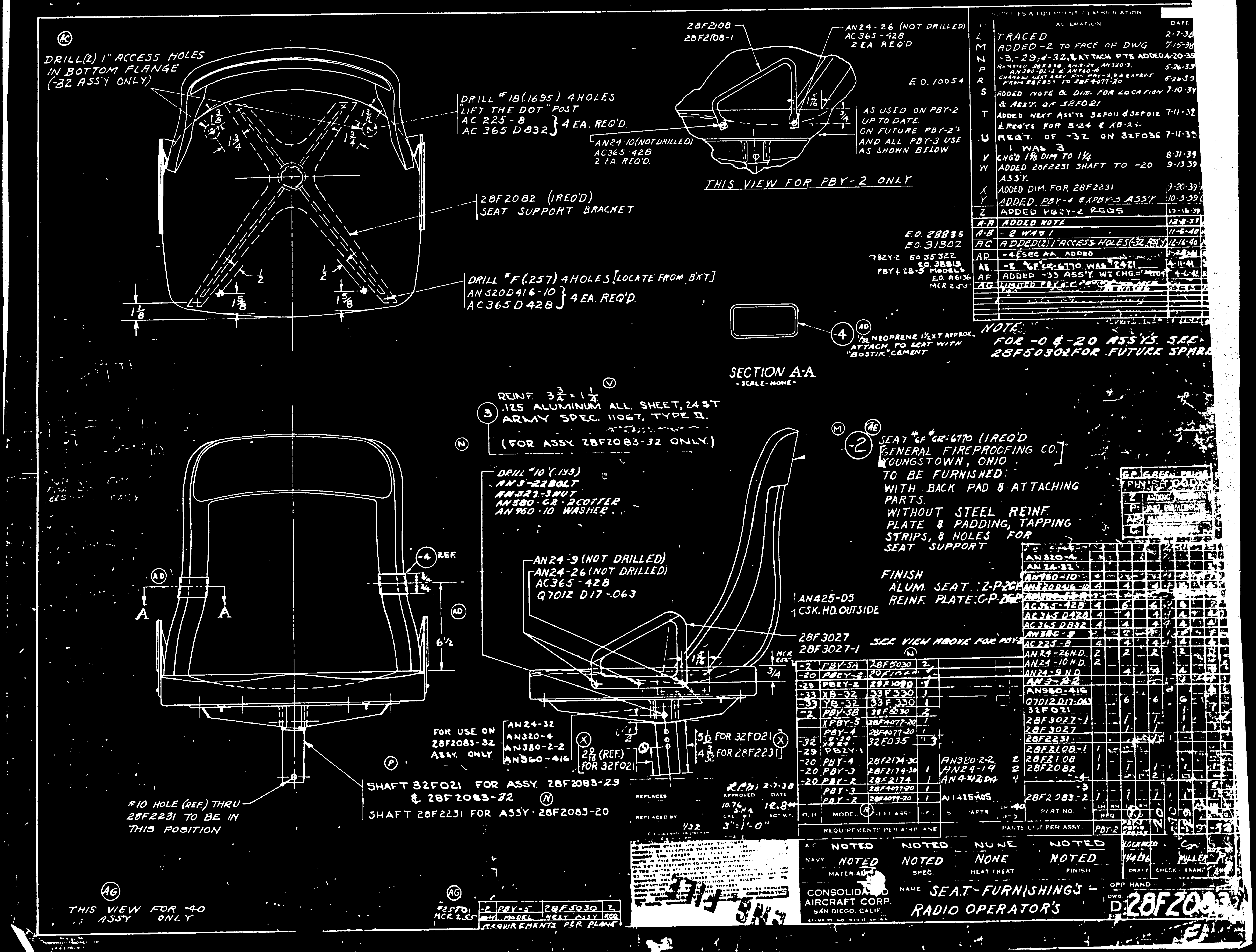
D 28F1538



Note:- -3, -4, -13, -14, -17, & -20 ASSY DIMS NOT SHOWN SAME AS -2 ASSY

PART NO	L	M	F	R
-2	17½	10	3½	4
-3	18½	10	3½	4
-4	18½	10	3½	4
-13	18½	10	3½	4
-14	18½	10	3½	4
-17	9½	5½	1¾	2¼
-20	7½	5	3½	3¼
-24	12	6	3½	2½

Note:- -25, -21 & -18 SLING SAME AS -5 EXCEPT FOR SIZE. -19 & -22 SAME AS -6 EXCEPT LENGTH.



	ALTERATION	DATE
L	TRACED	2-7-38
M	ADDED -2 TO FACE OF DWG	7-15-38
N	-3, -29, & -32, & ATTACH PTS ADDED	4-20-39
P	REMOVED 28F838, AN3-22, AN320-3, AN380-C2-2 & AN960-10	5-26-39
R	CHANGED NEXT ASSY FOR PBY-2, 3 & 4 & XPBY-5 FROM 28F851 TO 28F4077-20	6-26-39
S	ADDED NOTE & DIM. FOR LOCATION & ASS'Y. OF 32F021	7-10-39
T	ADDED NEXT ASS'YS 32F011 & 32F012 & REQ'TS FOR B-24 & XB-24	7-11-39
U	REQ'T. OF -32 ON 32F035 1 WAS 3	7-11-39
V	CHG'D 1⅝ DIM TO 1¼	8-31-39
W	ADDED 28F2231 SHAFT TO -20 ASS'Y.	9-13-39
X	ADDED DIM. FOR 28F2231	9-20-39
Y	ADDED PBY-4 & XPBY-5 ASS'Y	10-3-39
Z	ADDED PB2Y-2 REQS	10-16-39
A-A	ADDED NOTE	12-8-39
A-B	-2 WAS 1	11-6-40
AC	ADDED (2) 1" ACCESS HOLES (-32 ASS'Y)	12-16-40
AD	-4 & SEC A-A ADDED	4-11-41
AE	-2 #GF #GR-6770 WAS #2421	4-11-41
AF	ADDED -33 ASS'Y, WT CHG	4-6-42
AG	LIMITED PBY-5	[illegible]

DASH NO.	MODEL	NEXT ASSY	REQ
-2	PBY-5A	28F5030	2
-20	PB2Y-2	20F10[illegible]	[illegible]
-29	PB2Y-2	28F1090	1
-33	XB-32	33F330	1
-33	YB-32	33F330	1
-2	PBY-5B	32F030	2
	XPBY-5	28F4077-20	1
	PBY-4	28F4077-20	1
-32	XB-24	32F035	1
-29	PB2Y-1		
-20	PBY-4	28F2174-30	
-20	PBY-3	28F2174-30	1
-20	PBY-2	28F2174	1
	PBY-3	28F4077-20	1
	PBY-2	28F4077-20	1

REQUIREMENTS PER AIRPLANE

PART NO.
AN320-4
AN24-32
AN960-10
AN520D416-10
AC365-428
AC365D428
AC365D832
AN380-2
AC225-8
AN24-26 N.D.
AN24-10 N.D.
AN24-9 N.D.
AN3-22
AN960-416
Q7012 D17-.063
32F021
28F3027-1
28F3027
28F2231
28F2108-1
28F2108
28F2082
AN380-2-2
AN24-19
AN4-42DA
AN425-D5
28F2083-2

PARTS LIST PER ASSY.

A.C.	NOTED	NOTED	NONE	NOTED
NAVY	NOTED	NOTED	NONE	NOTED
	MATERIAL	SPEC.	HEAT TREAT	FINISH

CONSOLIDATED AIRCRAFT CORP.
SAN DIEGO, CALIF.

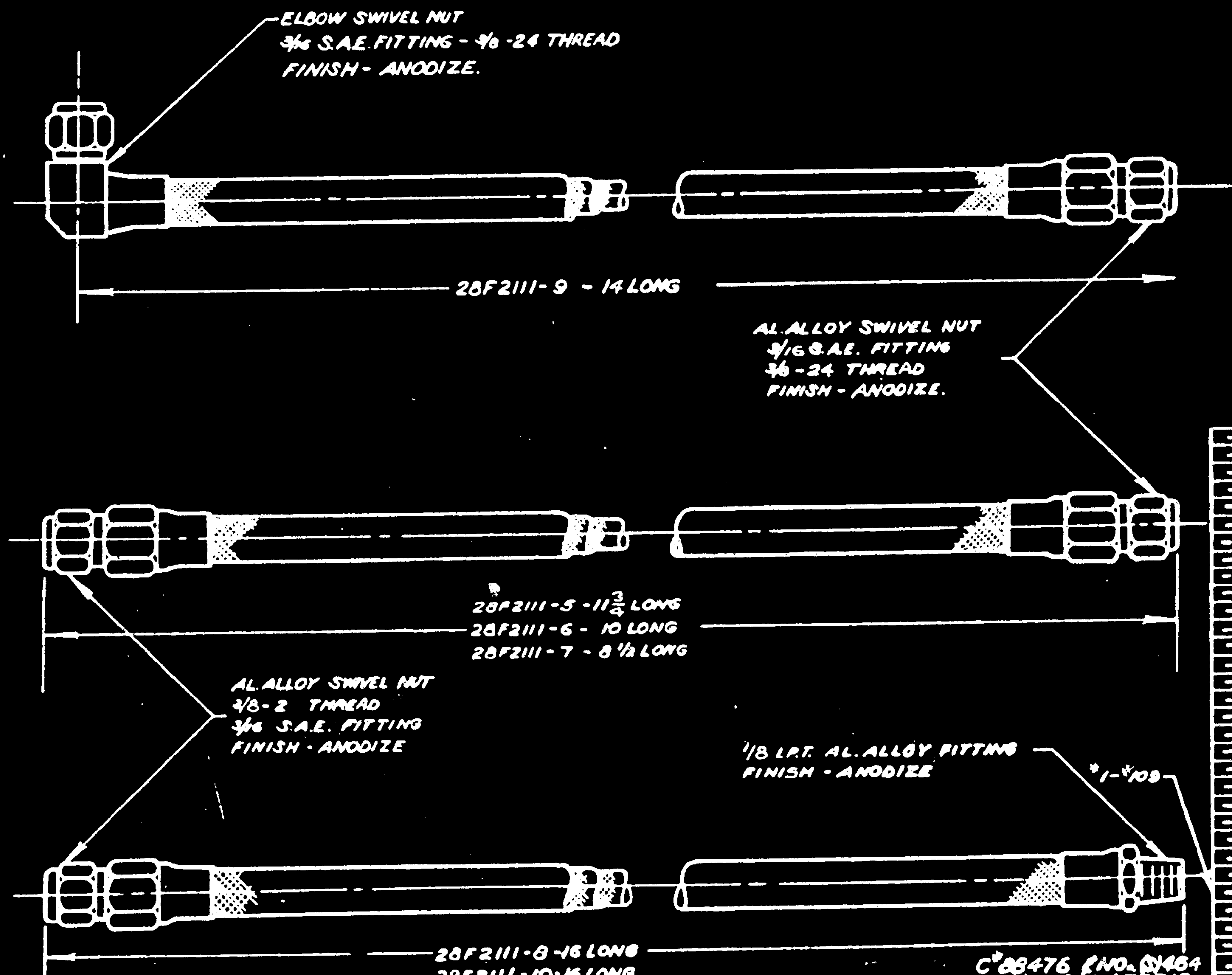
NAME SEAT-FURNISHINGS - RADIO OPERATOR'S

DWG. D 28F2083

SCALE 3"=1'-0"

-2 PBY-5 28F5030 2
MODEL NEXT ASSY REQ
REQUIREMENTS PER PLANE
#25701 MCR 255

LET	ALTERATION	DATE	BY
L	TRACED -	5-18-42	[illegible]
M	REQTS. BROUGHT-UP-TO-DATE	5-19-43	[illegible]



-10 HOSE TO BE RESISTANT TO AROMATIC FUELS.

C# 88476 ENG. 01464
C# 70496 E 77713
C# 70496, 77713 & 88476 #1-52
C# 70496 & 91876 - #1-90

NOTE:
PURCHASED FROM FLEX-O TUBE CO. DETROIT, MICH.
HOSE - 3PLY - MATERIAL PARAPRENE OR DUPRENE.
COVER - COTTON BRAID, PARAPRENE OR DUPRENE INNER TUBE.
OIL & GAS HOSE - WORKING PRESSURE 170 LBS.
TEST PRESSURE - 320 LBS.
TEMP. TOLERANCE - 35° F. TO + 300° F.
TESTED & GUARANTEED BY MFGR.
ALL FITTINGS TO BE FLARED TYPE.

DASH NO.	CALC. WEIGHT
-5	.19
-6	.10
-7	.07
-8	.14
-9	.15
-10	.14

APPROVED
TOOLING BY
E. E. Dalton
6-8-43 change M & L

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-8	28-5AMN	28F6047	1
-9	28-5AMN	28F2016	3
-7	28-5AMN		1
-6	28-5AMN		1
-5	28-5AMN		1
-9	28-5AMC	28F2016	3
-8	28-5AMC	28F6047	1
-7	28-5AMC	28F2016	1
-6	28-5AMC		1
-5	28-5AMC		1
-9	28-5MN		3
-7	28-5MN		1
-6	28-5MN		1
-5	28-5MN		1
-9	28-5ME		3
-7	28-5ME		1
-6	28-5ME		1
-5	28-5ME		1
-9	28-5MC		3
-7	28-5MC		1
-6	28-5MC		1
-5	28-5MC		1
-9	28-5MA		3
-7	28-5MA		1
-6	28-5MA		1
-5	28-5MA		1
-9	PBY-5B		3
-7	PBY-5B		1
-6	PBY-5B		1
-5	PBY-5B	28F2016	1
-10	PBY-5A	28F6047	1
-8	PBY-5A	28F6047	1
-9	PBY-5A	28F2016	3
-7	PBY-5A		1
-6	PBY-5A		1
-5	PBY-5A		1
-9	PBY-5		3
-7	PBY-5		1
-6	PBY-5		1
-5	PBY-5	28F2016	1

REQUIREMENTS PER AIRPLANE

REPLACES 28F2111 OF 6-9-37 — CALC. WT. NOTED

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	REQ. -0	REQ. -2	REQ. -3	REQ. -4	REQ. -5
	NOTED	NOTED	NOTED					

PARTS LIST PER ASSY.

ENG. FILE

A C						
NAVY NON	NOTED					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT	APPROV / ENG.

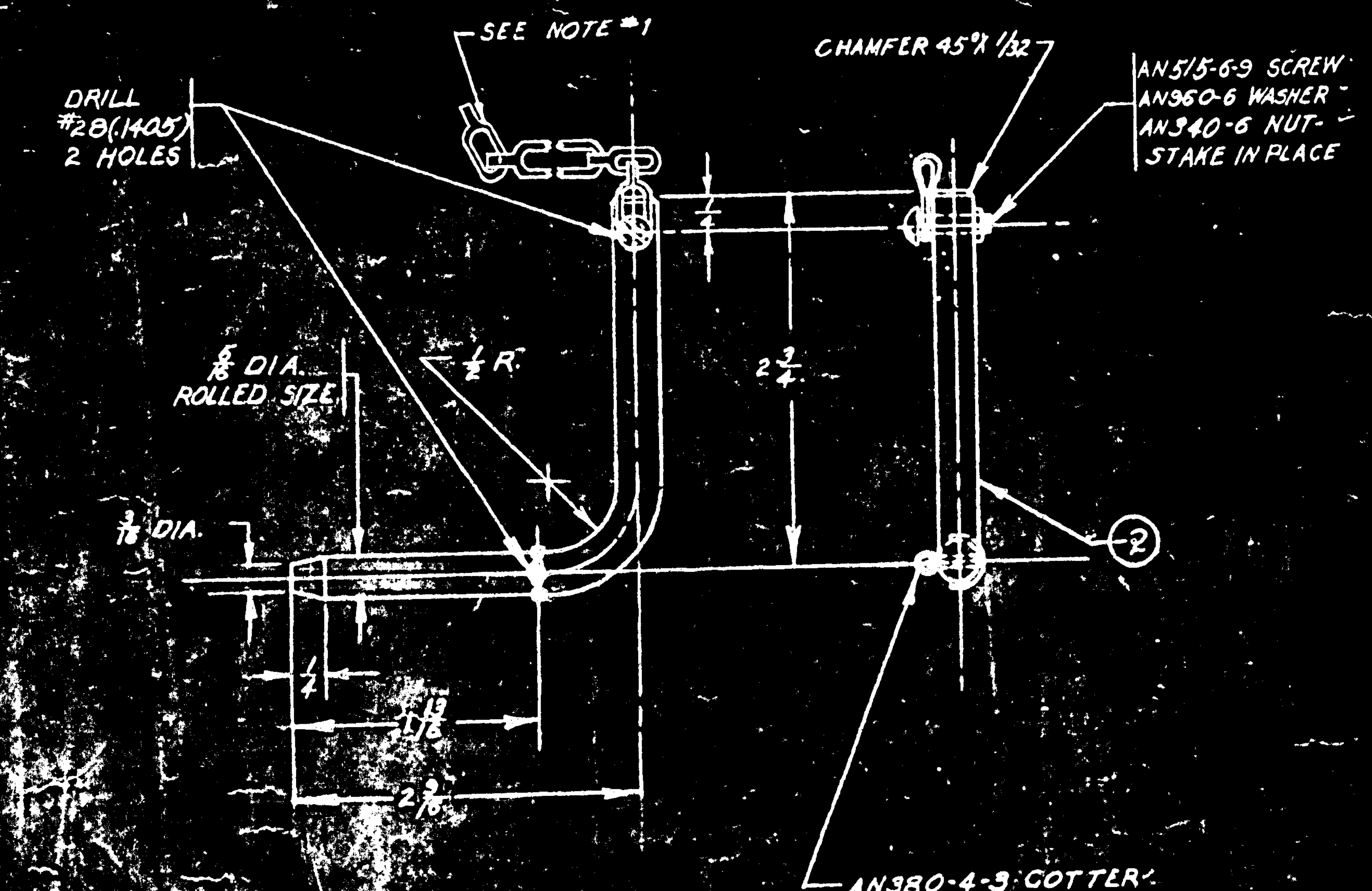
NAME HOSE - FURNS. 3/16 I.D. FLEXIBLE (ENGINE PRESS)

OPP. HAND

DWG. SIZE D — 28F2111

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

R 28F2111



C-#70496-33 SHIPS
C-#70496
#1-10
#1-10

NOTE
1. SAFETY PLUMBERS CHAIN SIZE #00 AMERICAN CHAIN CO. CORROSION RESISTANT STEEL. CADIUM OR ZINC ELECTRO-PLATED STEEL CHAIN MAY BE USED (4 1/4 LONG)
TRIM END LINK OF CHAIN FOR CONNECTION TO BOMB RACK

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PB2Y-2	32F1080	1
-0	LB30	32F1080	1
-0	B24D-E	32F1080	1
-0	B24AEG	32F1080	1
-0	XB24F-B24	32F1080	1
	PBY-3A	28A9011	2
	PBY-5	28A9011	2
	PBY-5	28A3002	4
	PBY-5	28A2010	4
	PBY-3&4	28A9011	
	PBY-3&4	28A3002	
	PBY-2-3&4	28A2010	

REQUIREMENTS PER AIRPLANE

REPLACES 28F2117-12-27-37	CALC. WT.
REPLACED BY	ACT. WT.
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64	SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ.	-2 REQ.	-3 REQ.	-4 REQ.	-5 REQ.
AN960-6				1				
AN515-6-9				1				
AN380-4-3				1				
AN340-6				1				
CHAIN	NOTED	NOTED	NOTED	1				
-2	5/16 DIA. X 5 1/2	C.M. STEEL	AN-QQ-S-684	1				

PARTS LIST PER ASSY.

AC		DRAFT	CHECK	EXAM.	MAT	APPROV	ENG.
NAVY 125,000 P.S.I.		MCDONALD 12-1-36	LIVERS 12-5-36	MILLER		K.C.W. 12-7-36	R
HEAT TREAT	FINISH						

OPP. HAND

NAME PIN - BOMB HOIST PULLEY LOCK

DWG. SIZE D — 28F2117

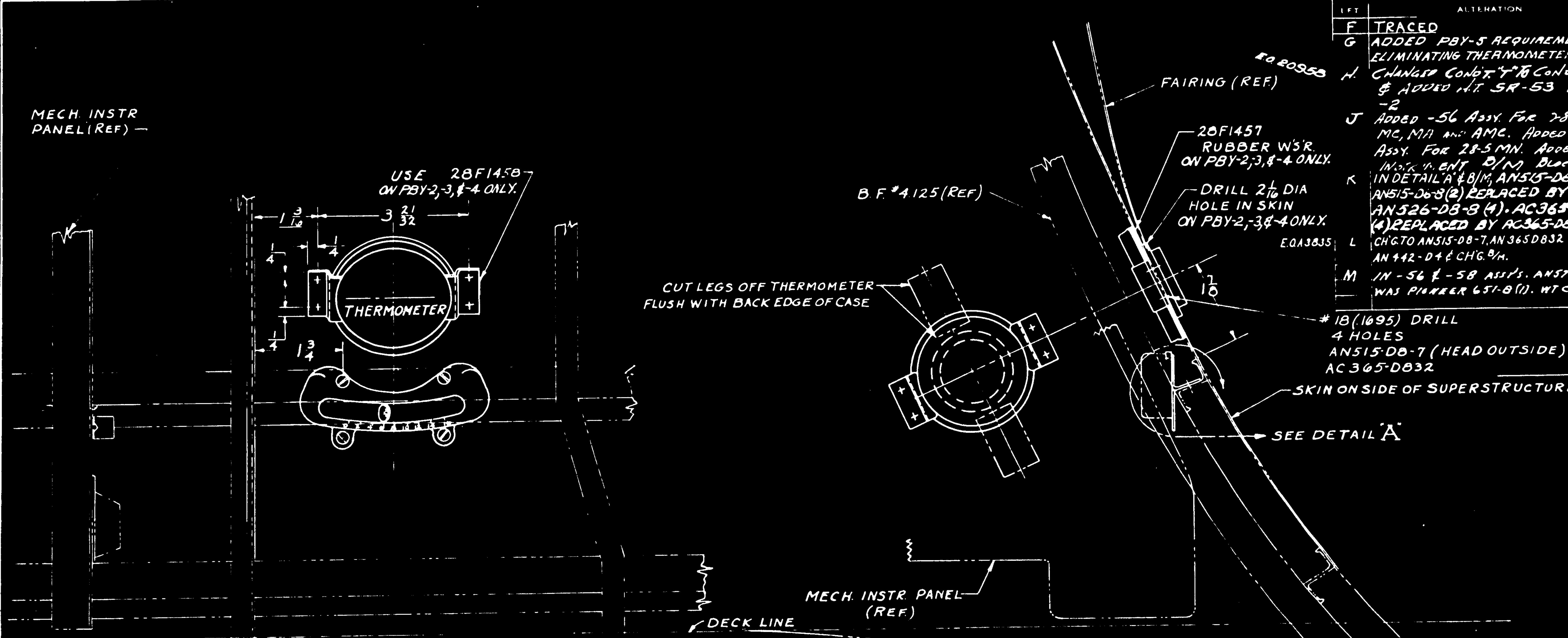
CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION . . SAN DIEGO, CALIF.

ENG. FILE

R 28F2117

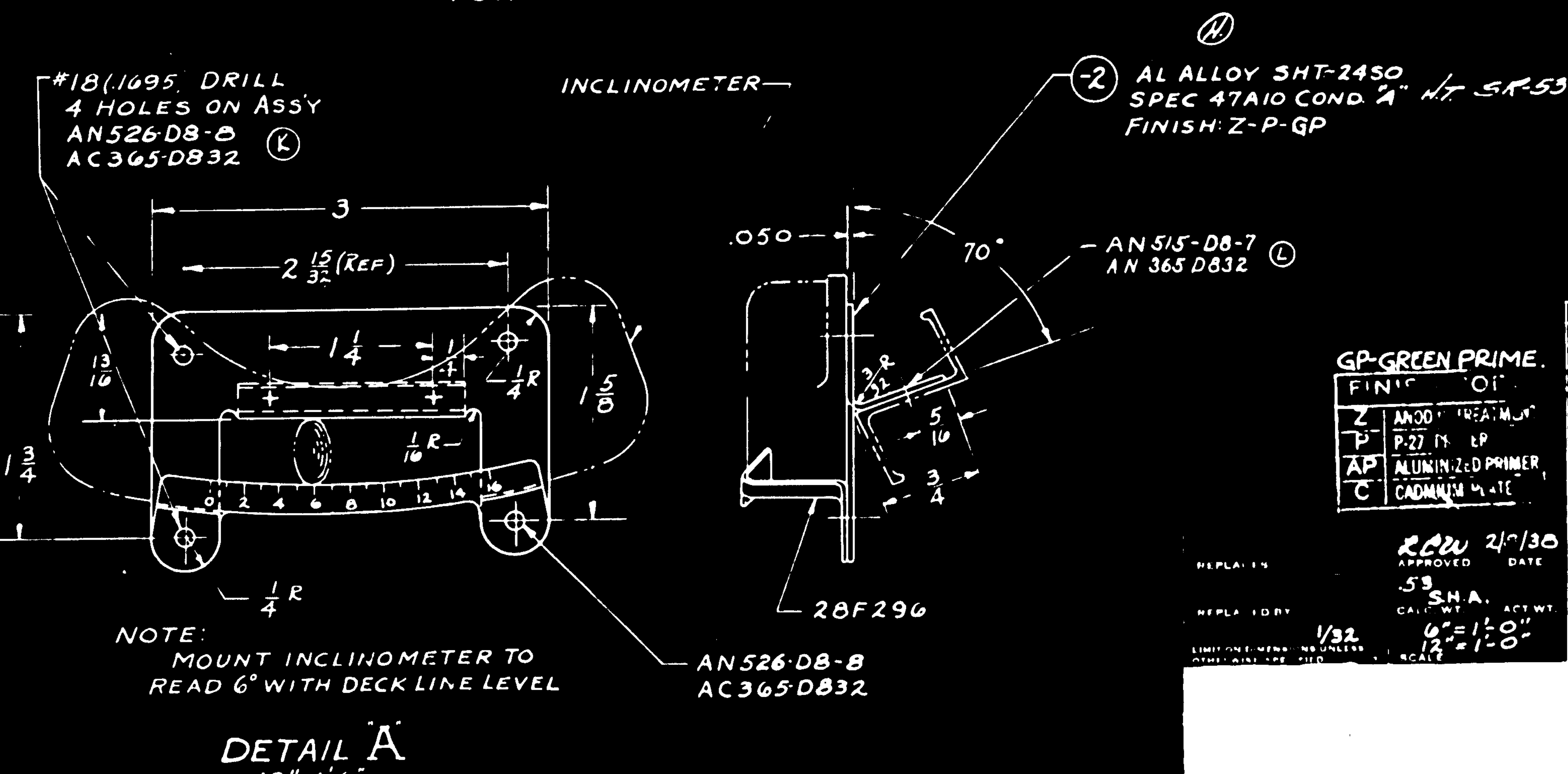
LET	ALTERATION	DATE	BY
F	TRACED	2/8/38	CHMAN
G	ADDED PBY-5 REQUIREMENTS ELIMINATING THERMOMETER.	11-15-39	
H	CHANGED COND'T "T" TO COND'T "A" & ADDED H.T. SR-53 FOR -2	11-13-40	KULL
J	ADDED -56 ASSY. FOR 28-5ME, MC, MA AND AMC. ADDED -58 ASSY. FOR 28-5MN. ADDED INSTRUMENT B/M BLOCK	12-9-40	RESCH
K	IN DETAIL "A" & B/M, AN515-D6-6(2) & AN515-D6-8(2) REPLACED BY AN526-D8-8(4). AC365-D632(4) REPLACED BY AC365-D832(4)	3-12-41	TEACH
L	CH'G TO AN515-D8-7, AN365D832 WAS AN442-D4 & CH'G B/M.	5-9-41	HEITZMAN
M	IN -56 & -58 ASS'YS. AN5725 (1) WAS PIONEER 651-8 (1). WT CHG NEG.	4-24-43	WINTER

SUPPLIES & EQUIPMENT CLASSIFICATION



INSTRUMENT B/M

INSTRUMENT	MFG. & TYPE -0 ASSEM.	REQ	MFG. & TYPE -55 ASSEM.	REQ	MFG. & TYPE -56 ASSEM.	REQ	MFG. & TYPE -58 ASSEM.	REQ
INCLINOMETER	GOV'T. FURN'D. AN5725	1	GOV'T. FURN'D. AN5725	1	AN5725	1	AN5725	1
THERMOMETER	GOV'T FURN'D MK. I	1		—		—		—



NOTE: MOUNT INCLINOMETER TO READ 6° WITH DECK LINE LEVEL

DETAIL "A"
12" = 1'-0"

GP-GREEN PRIME.

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

DASH	MODEL	NEXT ASSY.	REQ
-55	PBY-5B	28F7002	1
-58	28-5MN	28F5502	1
-58	28-5AMN	28F6005	1
-56	28-5AMC	28F6005	1
-55	PBY-5A	28F6002	1
-56	28-5MA	28F5502	1
-56	28-5MC	28F5502	1
-56	28-5ME	28F5502	1
-55	PBY-5	28F1002	1
-0	PBY-4	28F1002	1
-0	PBY-3	28F1002	1
-0	PBY-2	28F1002	1

REQUIREMENTS PER AIRPLANE

STD PARTS	REQ -0	REQ -55 -56 -58	PART NO.	REQ -0	REQ -55	REQ -56	REQ -58
AN526-D8-8	4	4	28F1458	2	—	—	—
AC365-D832	8	6	28F1457	1	—	—	—
AN515-D8-7	4	2	28F296	1	1	1	1
AN442-D4			28F2173-2	1	1	1	1

MAT. | PARTS LIST FOR ASSY.

REPLACES | REPLACED BY

APPROVED: RCW 2/1/38 | .53 S.H.A. | 1/32 | 6" = 1'-0" | 12" = 1'-0"

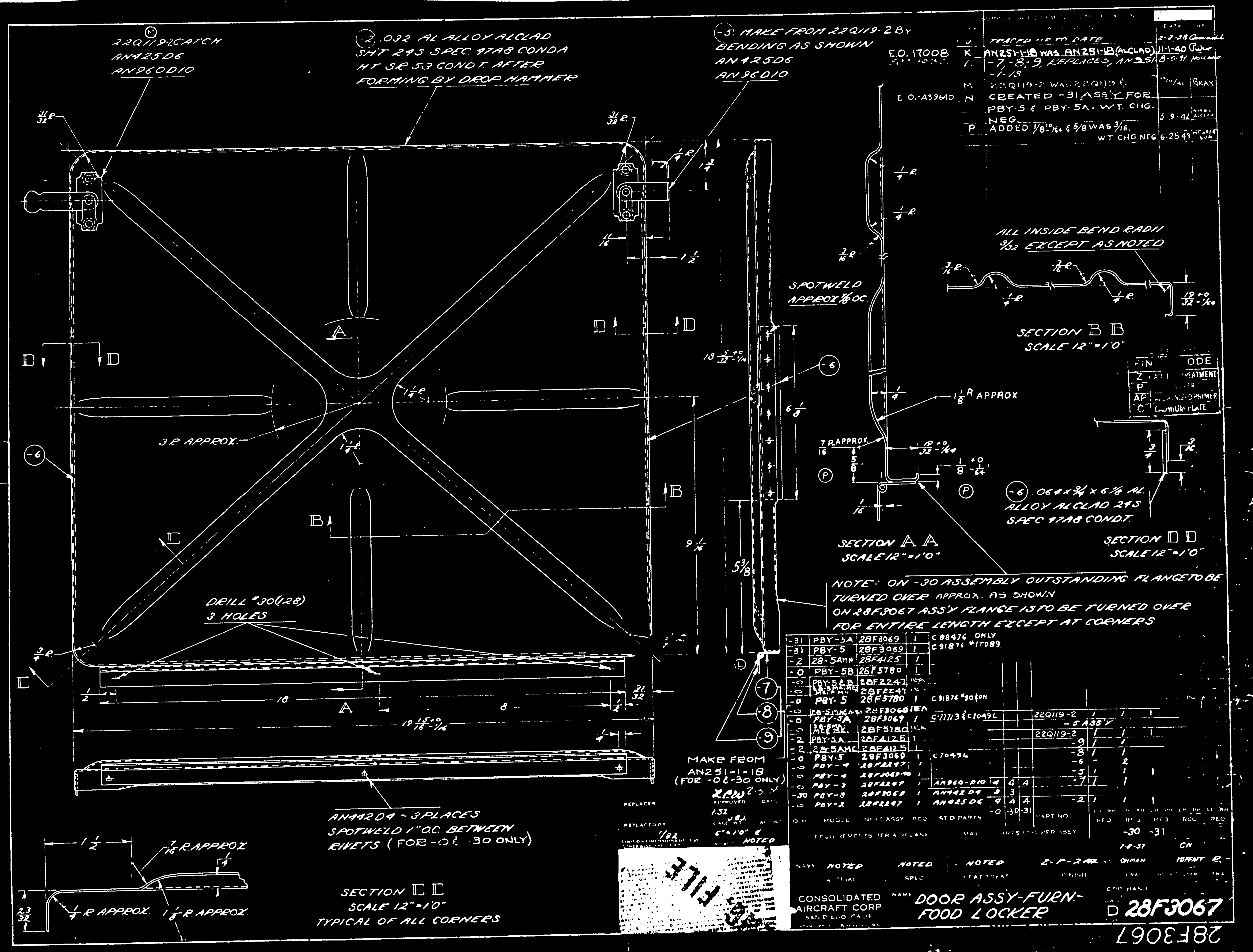
MATERIAL	SPEC	HEAT TREAT	FINISH
NOTED	NOTED	NONE	NOTED

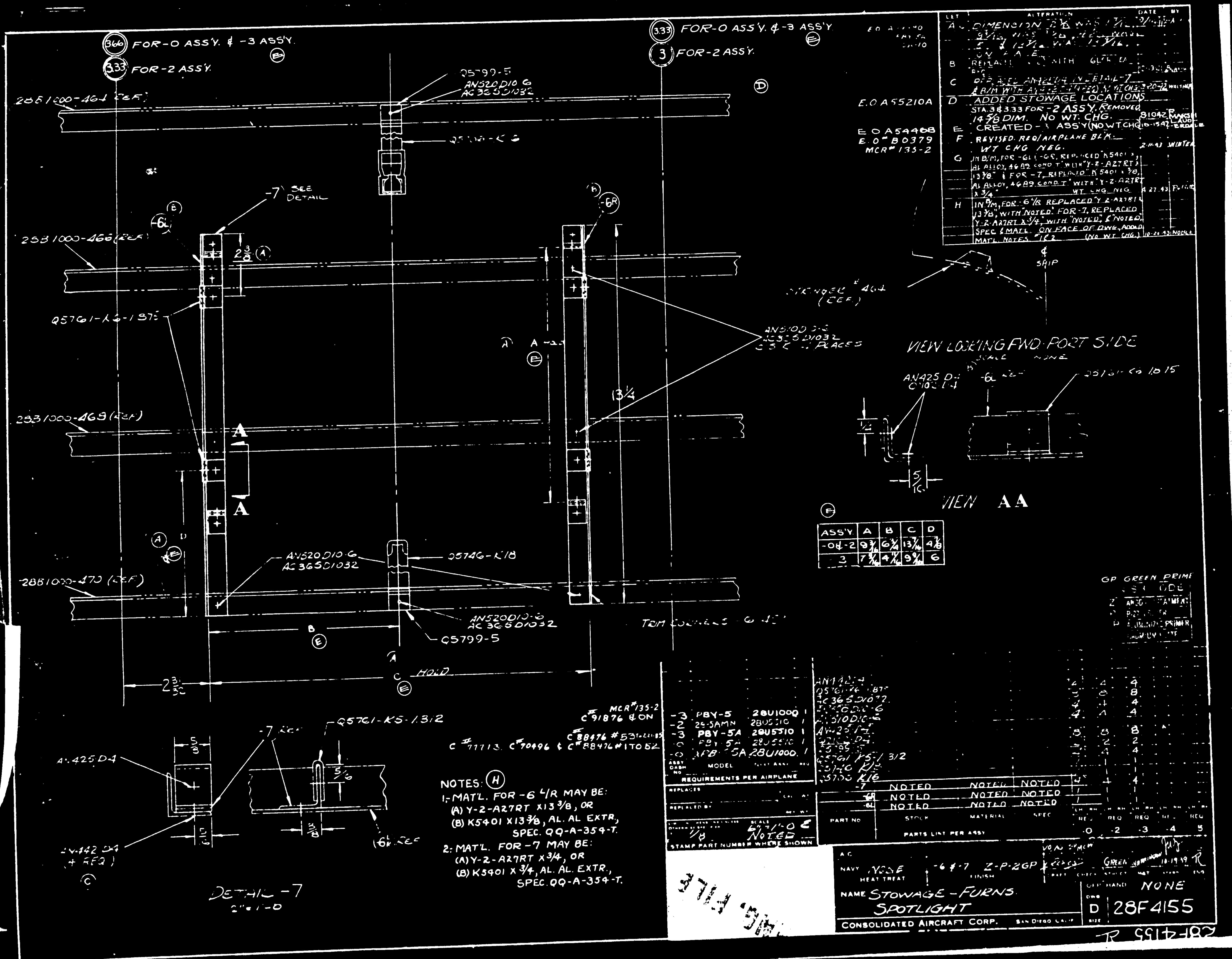
DRAWN: HOOVER 1-19-37 | CHECKED: Cn H.W.H. | R

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

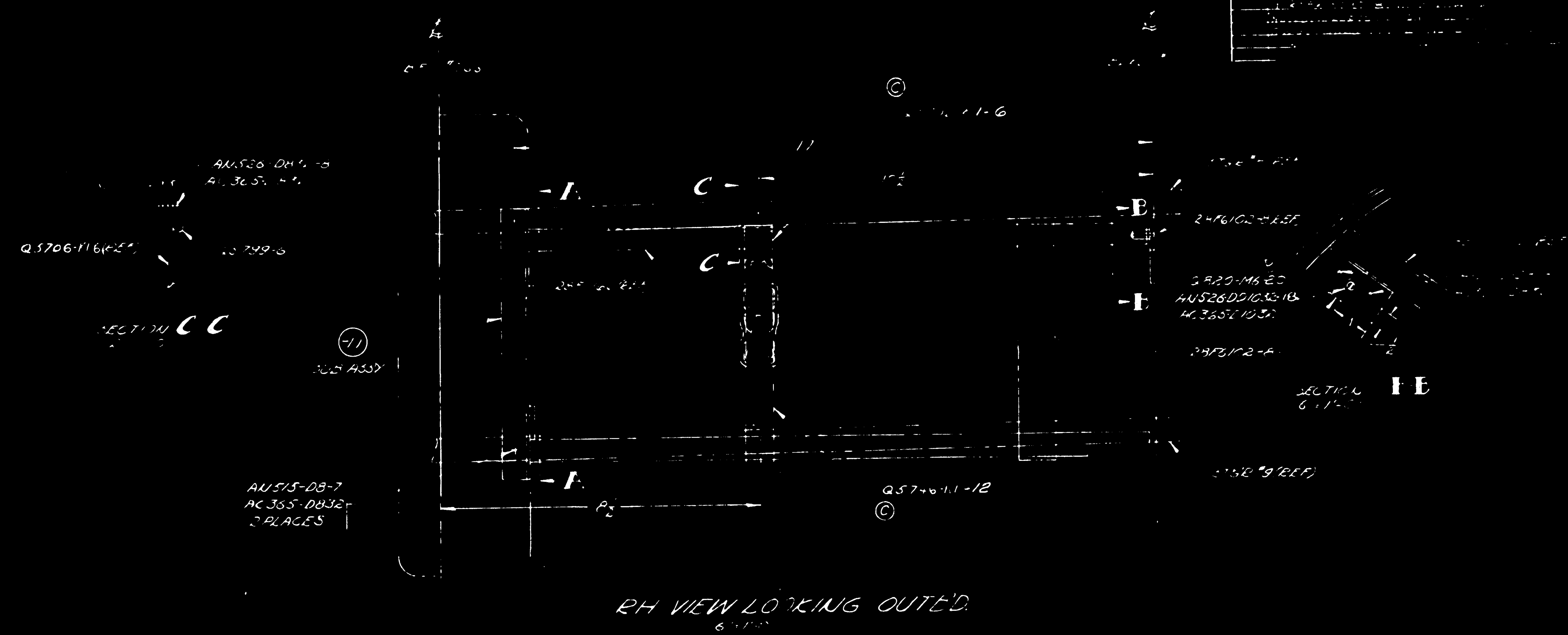
NAME: INSTRUMENT-INSTALL. FURN. MECH. THERMOMETER & INCLINOMETER

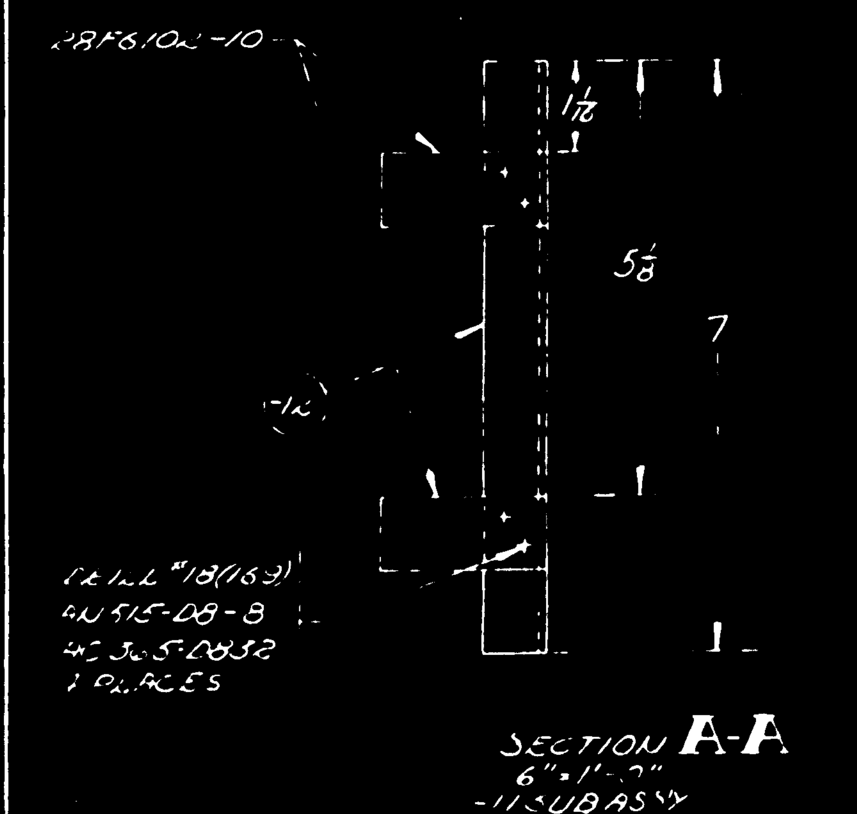
D 28F2173


22Q119-2 CATCH
AN425D6
AN960D10
-2 .032 AL ALLOY ALCLAD
SHT 24S SPEC 47A8 COND A
HT SR 53 COND T AFTER
FORMING BY DROP HAMMER
-5 MAKE FROM 22Q119-2 BY
BENDING AS SHOWN
AN425D6
AN960D10
E.O. 17008
E.O.-A39640
J TRACED UP TO DATE 2-2-38
K AN251-1-18 WAS AN251-1B (ALCLAD) 11-1-40
L -7, -8, -9, REPLACES AN251-1-18 8-5-41
M 22Q119-2 WAS 22Q119 &
N CREATED -31 ASS'Y FOR PBY-5 & PBY-5A. WT. CHG. NEG.
P ADDED 1/8 +0/-1/64 & 5/8 WAS 3/16. WT CHG NEG 6-25-43
ALL INSIDE BEND RADII 3/32 EXCEPT AS NOTED
SECTION B B
SCALE 12" = 1'0"
SPOTWELD APPROX 7/8 OC.
3 R APPROX.
1 1/8 R APPROX.
DRILL #30 (.128) 3 HOLES
SECTION A A
SCALE 12" = 1'0"
-6 .064 x 3/4 x 6 1/8 AL. ALLOY ALCLAD 24S SPEC 47A8 COND T
SECTION D D
SCALE 12" = 1'0"
NOTE: ON -30 ASSEMBLY OUTSTANDING FLANGE TO BE TURNED OVER APPROX. AS SHOWN
ON 28F3067 ASS'Y FLANGE IS TO BE TURNED OVER FOR ENTIRE LENGTH EXCEPT AT CORNERS
MAKE FROM AN251-1-18 (FOR -0 & -30 ONLY)
AN442D4 ~ 3 PLACES
SPOTWELD 1" O.C. BETWEEN RIVETS (FOR -0 & 30 ONLY)
SECTION C C
SCALE 12" = 1'0"
TYPICAL OF ALL CORNERS
-31 PBY-5A 28F3069
-31 PBY-5 28F3069
-2 28-5AMN 28F4125
-0 PBY-5B 26F5780
-0 PBY-5 28F5780
-0 PBY-5A 28F3069
-2 PBY-5A 28F4125
-0 PBY-5 28F3069
-0 PBY-4 28F2247
-0 PBY-3 28F2247
-30 PBY-3 28F3069
-0 PBY-2 28F2247
22Q119-2
-5 ASS'Y
AN960-D10
AN442D4
AN425D6
FILE
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.
DOOR ASSY-FURN-FOOD LOCKER
D 28F3067
28F3067



(366) FOR-O ASS'Y. & -3 ASS'Y.
(333) FOR-2 ASS'Y.
(333) FOR-O ASS'Y. & -3 ASS'Y.
(3) FOR-2 ASS'Y.
Q5799-5
AN520D10-6
AC365D1032
28B1000-464 (REF.)
E.O A55210A
E.O A54468
E.O B0379
MCR# 135-2
DIMENSION
ADDED STOWAGE LOCATIONS
STA.3 & 3.33 FOR -2 ASS'Y. REMOVED 14 7/8 DIM. NO WT. CHG.
CREATED -3 ASS'Y (NO WT. CHG)
REVISED REQ/AIRPLANE BLK. WT CHG NEG.
-7 SEE DETAIL
-6L
-6R
28B1000-466 (REF)
2 3/8
Q5761-KS-1.375
AN510D10-6
AC365D1032
13 1/4
28B1000-468 (REF)
A
A
28B1000-470 (REF)
AN520D10-6
AC365D1032
Q5746-K18
Q5799-5
B
C
HOLD
2 3/32
TRIM CORNERS
℄ SHIP
VIEW LOOKING FWD-PORT SIDE
SCALE NONE
AN425 D4
-6L
VIEW AA
5/16
ASS'Y | A | B | C | D
-0 & -2 | 9 3/4 | 6 1/4 | 13 1/4 | 4 7/8
-3 | 7 3/4 | 4 1/4 | 9 3/4 | 6
GP GREEN PRIMER
Q5761-KS-1.312
AN425D4
AN442 D4 (4 REQ.)
5/8
5/16
3/8
-6L REF
DETAIL -7
2" = 1'-0
MCR# 135-2
C# 91876 & ON
C# 88476 #53
C# 71713. C# 70496 & C# 88476 #1 TO 52
NOTES: (H)
1. MAT'L. FOR -6 L/R MAY BE:
(A) Y-2-A27RT X13 3/8, OR
(B) K5401 X13 3/8, AL. AL EXTR, SPEC. QQ-A-354-T.
2. MAT'L. FOR -7 MAY BE:
(A) Y-2-A27RT X3/4, OR
(B) K5401 X 3/4, AL. AL. EXTR., SPEC. QQ-A-354-T.
-3 PBY-5 28U1000 1
-3 PBY-5A 28U5510 1
REQUIREMENTS PER AIRPLANE
-7 NOTED NOTED NOTED
-6R NOTED NOTED NOTED
-6L NOTED NOTED NOTED
PART NO. STOCK MATERIAL SPEC
PARTS LIST PER ASSY
STAMP PART NUMBER WHERE SHOWN
NAVY NONE HEAT TREAT
-6 & -7 Z-P-2GP FINISH
NAME STOWAGE - FURNS. SPOTLIGHT
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.
NONE
D 28F4155





NOTES

1. MATL FOR -12 MAY BE
   (A) Y-2-A27R1 X 7 1/8, OR
   (B) K5401 X 7 1/8, AL AL EXTR,
   SPEC QQ-A-354 T.

PBY-5	28F...	1
28 5AMN	28F6005	1
PBY-6	28F6002	1
PBY-5A	28F...	
MODEL	NEXT ASSY	REQ

REQUIREMENTS PER AIRPLANE

REPLACES 28F4162 10-31-3-

REPLACED BY

STAMP PART NUMBER WHERE SHOWN

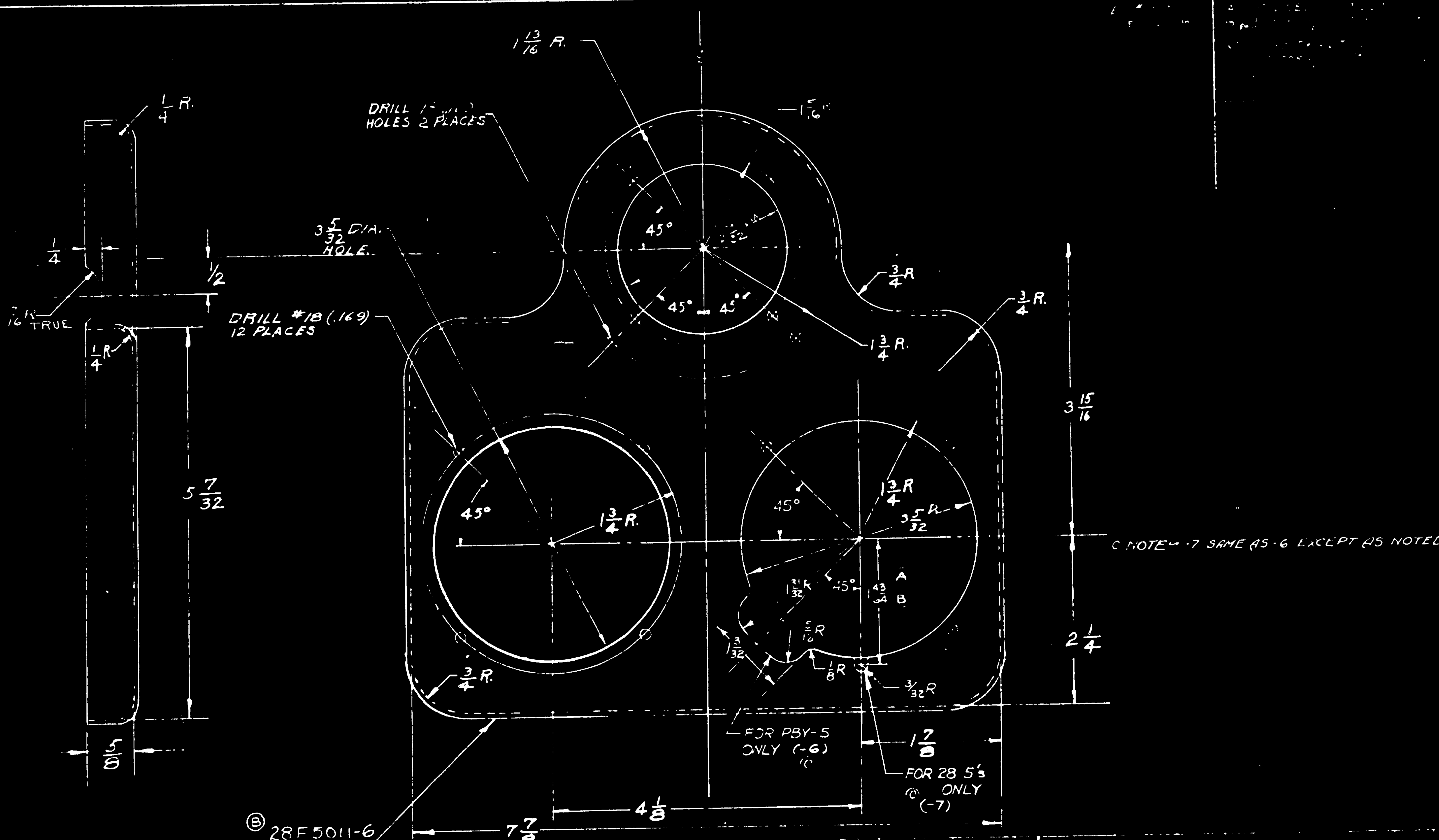
PARTS LIST PER ASSY

NAME STOWAGE FORMS MEMBERS SEAT BACK

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

DWG SIZE D 28F4162

28F4162



ASSY DASH NO	MODEL	NEXT ASSY	REQ
-7	28 5 ME	28F5010	
-7	28-5 MA		
-7	28-5 MN		
-7	28-5 AMC		
-7	28-5-MC		
-6	PBY-5A,B		
-6	PBY-5	28F5010	1

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT

REPLACED BY — ACT WT

SCALE 12" = 1'-0" — 1/32

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC
-7	.064 × 10 × 10	24SO AL. AL.	47A10 COND A
-6	.064 × 10 × 10	24SO AL. AL	47A10 COND A

PARTS LIST PER ASSY — LH RH REQ -0, -2, -3, -4, -5

HEAT TREAT	FINISH
A C / NAVY SR53 (COND. T)	Z-P 2 DEC

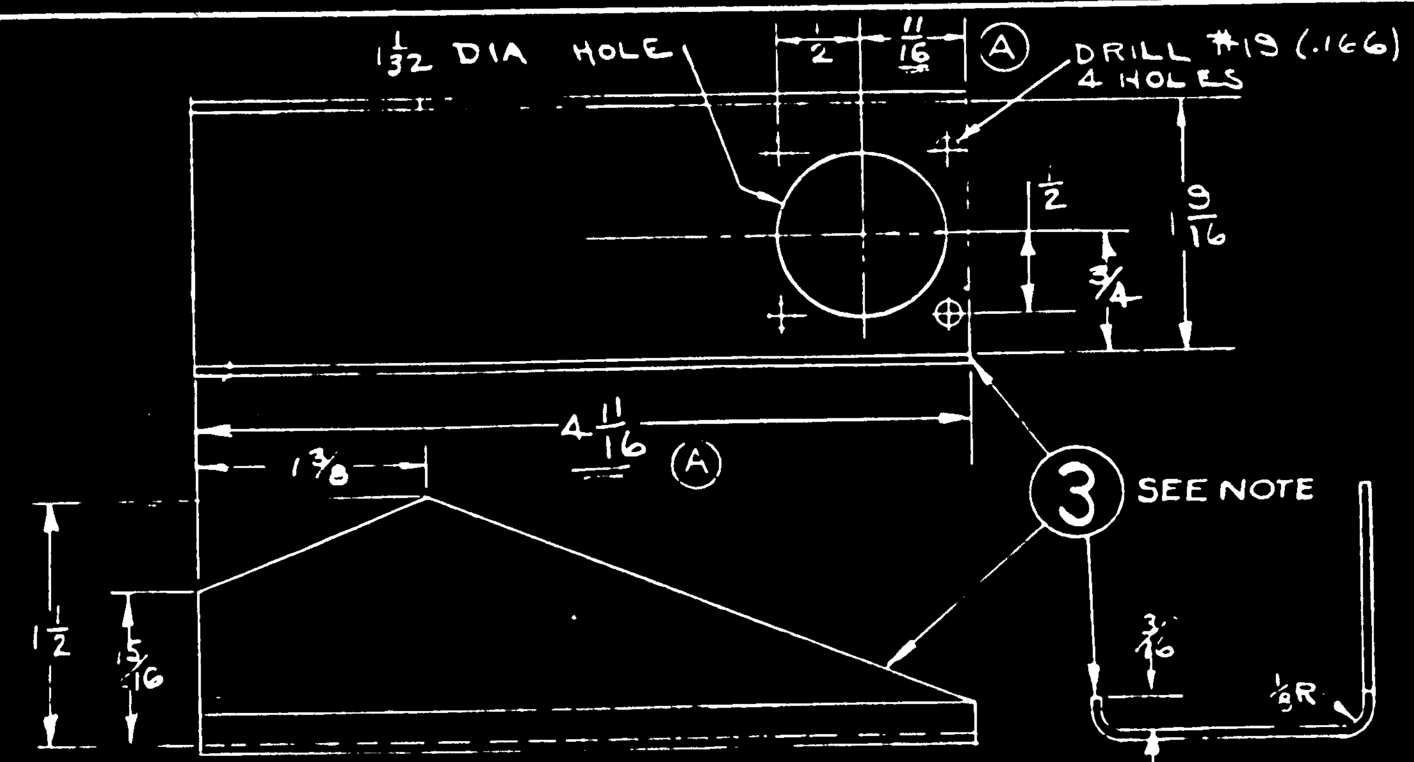
DRAFT · CHECK · STRUCT · MAT · APPROV · ENG

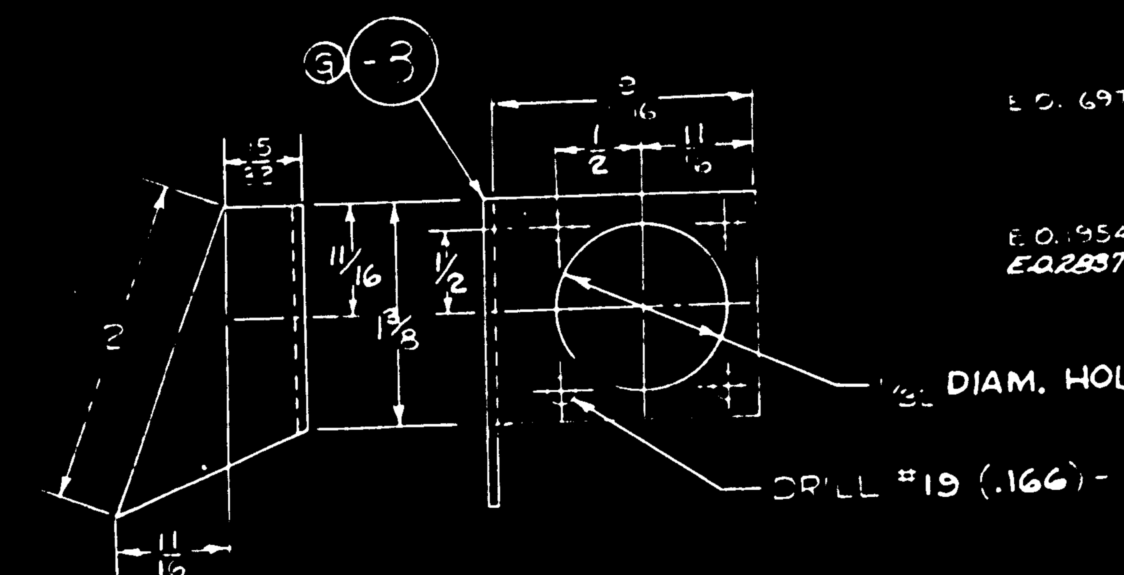
NAME PANEL - FURNS - BOMBERS INSTRU.

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

OPP HAND

DWG SIZE D — 28F5011



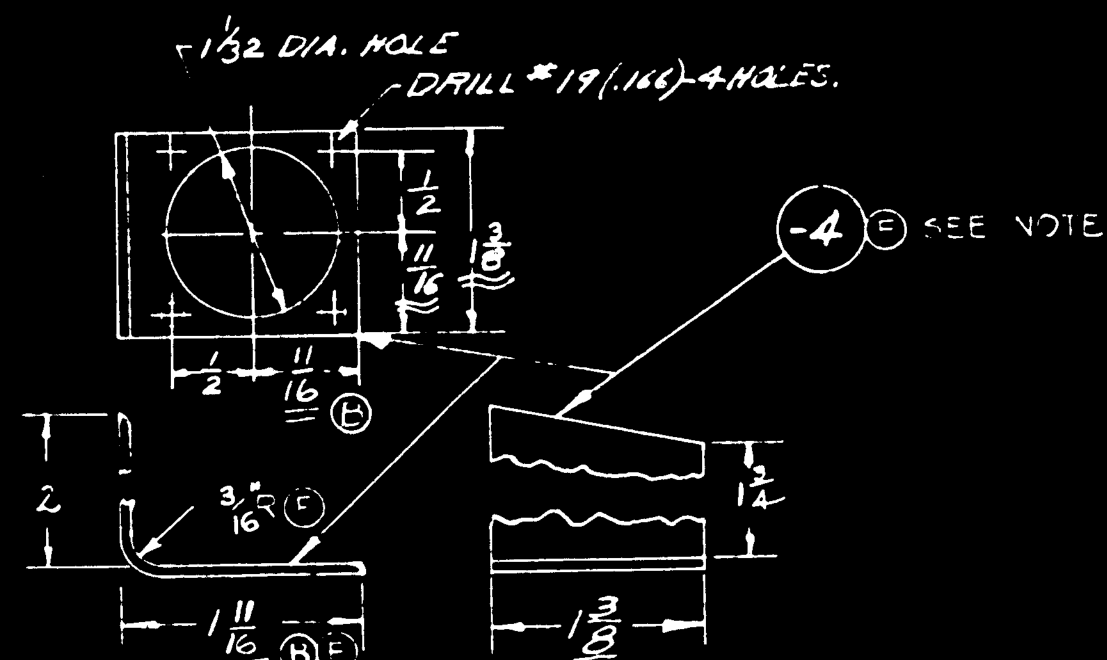


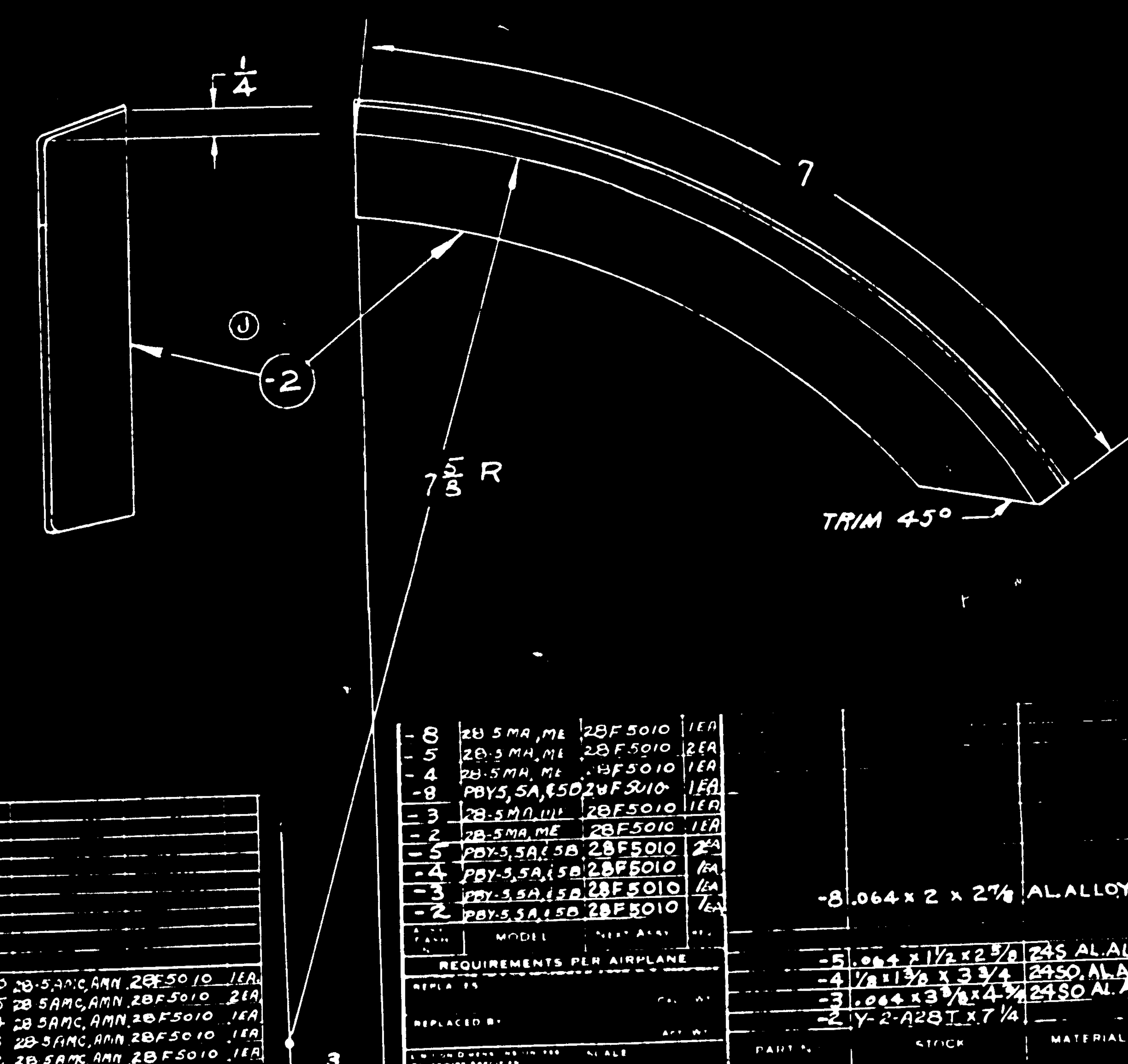
LET	ALTERATION	DATE	BY
A	ON -3 1/16 WAS 5/8 & 4 11/16 WAS 4 7/8	1-23-40	EWELL
B	ON -4 1/16 WAS 5/8 & 1 5/8 WAS 1 7/16		
C	ON -5 1/2 WAS 7/8 & 1 15/16 WAS 1 7/8		
D	ON -6 11/16 WAS 7/8, 1 3/8 WAS 1 1/4		
	3/16 R WAS 1/8 R & ADDED 3/4 DIM		
E	ON -7 11/16 WAS 7/8 & 1 1/16 WAS 1 7/8	1-23-40	JEWEL
F	4 WAS 2 × 1 1/2 × 1 1/8 EXTR. 734 TT.		
	ADDED 3/16 BEND R. 1 11/16 DIM. WAS 1/2		
	-7 WAS 1 1/2 × 3/32 EXTR. K 11636		
	5/8 DIM WAS 1 1/16, 3° DIM. WAS 1 1/2°		
	ADDED 1/8 BEND R. ADDED NOTE	11-1-40	WILSON
G	REMOVED -6 & -7 ADDED -8	11-1-40	WILSON
H	-2 COND A WAS COND T	12-5-40	[illegible]
J	IN B/M, FOR -2, REPLACED "K5401 × 1/4 AL. ALLOY, 4669 COND. A" WITH "Y-2-A28T × 7 1/4" ON FACE, FOR -2, REMOVED "(MAKE FROM 3/4 × 3/4 × 1/16 EX.)" ADDED REQ'TS FOR 28-5MA, 28-5ME, 28-5MC, 28-5MN, 28-5AMN, & 28-5AMC.	WT. CHG. NEG. 4-21-41	Pollett

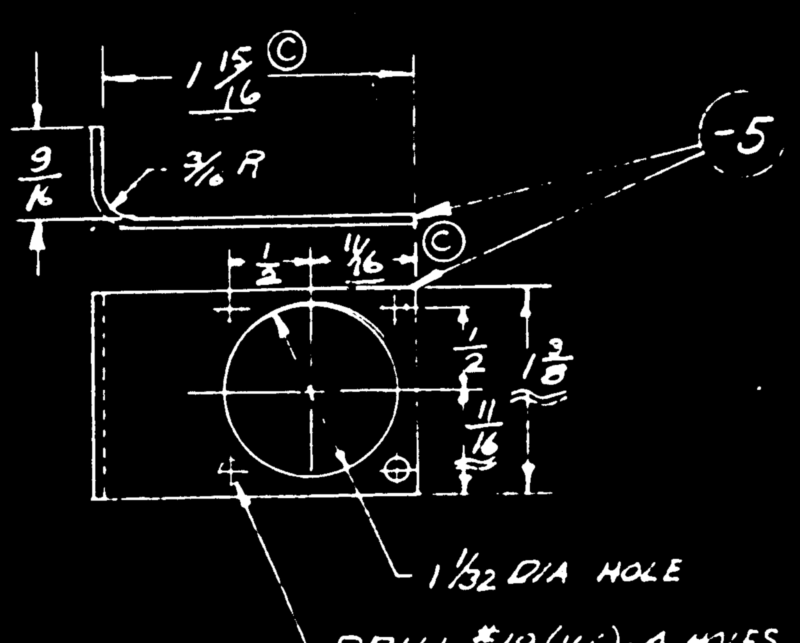
E.O. 6976

E.O. 19542

E.O. 28374







Z	ANODIC TREATMENT
P	PRIMER
AP	ALUMINIZED PRIMER
C	CADMIUM PLATE

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-8	28-5AMC, AMN	28F5010	1EA
-5	28-5AMC, AMN	28F5010	2EA
-4	28-5AMC, AMN	28F5010	1EA
-3	28-5AMC, AMN	28F5010	1EA
-2	28-5AMC, AMN	28F5010	1EA
-8	28-5MC, MN	28F5010	1EA
-5	28-5MC, MN	28F5010	2EA
-4	28-5MC, MN	28F5010	1EA
-3	28-5MC, MN	28F5010	1EA
-2	28-5MC, MN	28F5010	1EA

DASH NO	MODEL	NEXT ASSY	REQ
-8	28-5MA, ME	28F5010	1EA
-5	28-5MA, ME	28F5010	2EA
-4	28-5MA, ME	28F5010	1EA
-8	PBY5, 5A, & 5B	28F5010	1EA
-3	28-5MA, ME	28F5010	1EA
-2	28-5MA, ME	28F5010	1EA
-5	PBY-5, 5A, & 5B	28F5010	2EA
-4	PBY-5, 5A, & 5B	28F5010	1EA
-3	PBY-5, 5A, & 5B	28F5010	1EA
-2	PBY-5, 5A, & 5B	28F5010	1EA

REQUIREMENTS PER AIRPLANE

REPLACES

REPLACED BY

TOLERANCE UNLESS OTHERWISE SPECIFIED: 1/32 — SCALE: 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART NO	STOCK	MATERIAL	SPEC
-8	.064 × 2 × 2 7/8	AL. ALLOY	47A10 COND. T
-5	.064 × 1 1/2 × 2 5/8	24S AL. AL.	47A10 COND. T
-4	1/8 × 1 3/8 × 3 3/4	24SO AL. AL.	47A10 COND. A
-3	.064 × 3 3/8 × 4 3/4	24SO AL. AL.	47A10 COND. A
-2	Y-2-A28T × 7 1/4		

PARTS LIST PER ASSY

REQ -0	REQ -2	REQ -3	REQ -4	REQ -5

NOTE (F) HEAT TREAT -4 TO SR-53 COND T
HEAT TREAT -3 TO SR-53

A.C. NONE UNLESS NOTED — HEAT TREAT

Z-P- — FINISH

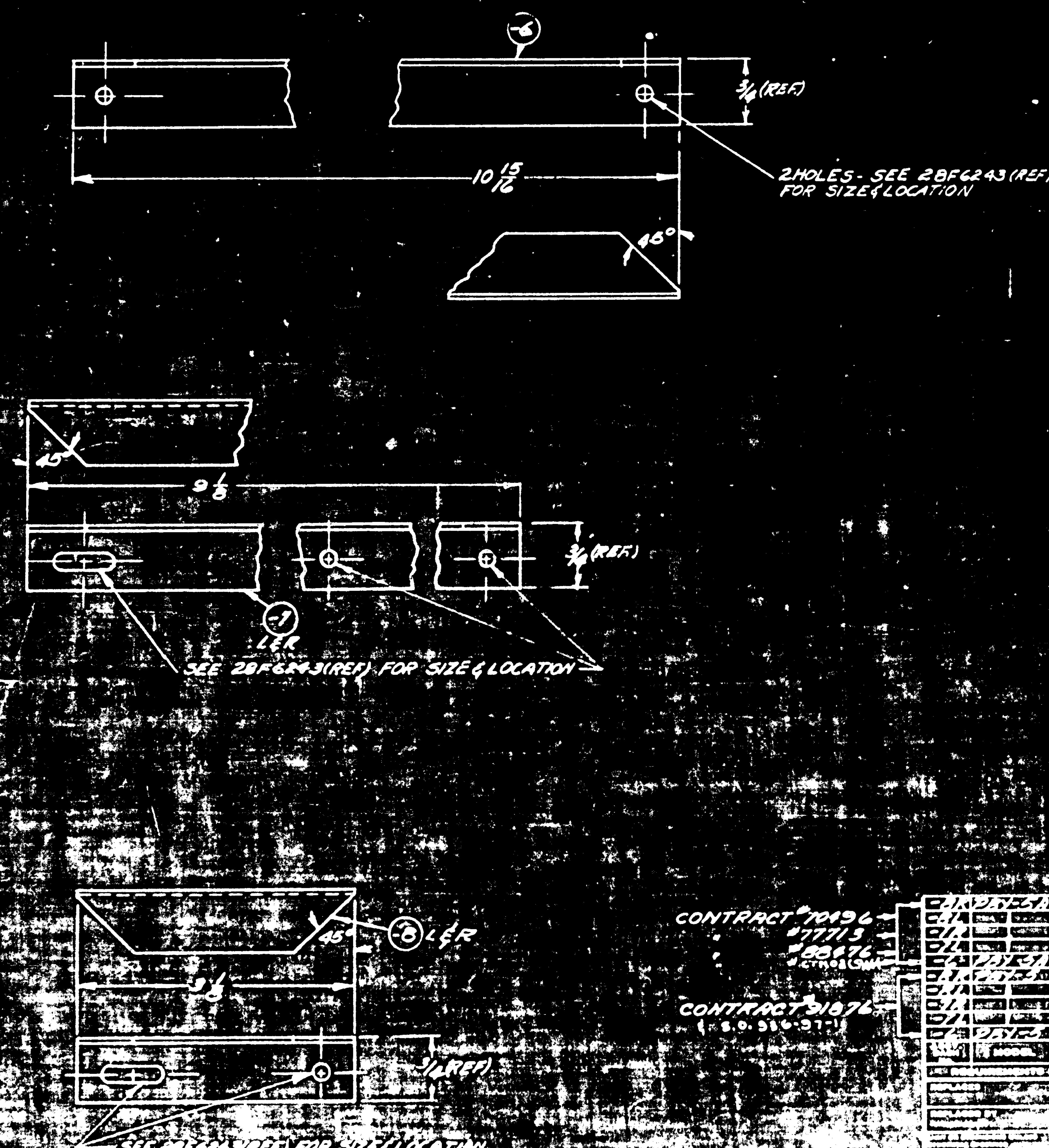
DRAFT / CHECK / STRUCT / MAT / APPRO / ENG — 11/3/39

NAME BRK'T. DETAILS - FURNS - BOMBERS INSTRU. PANEL

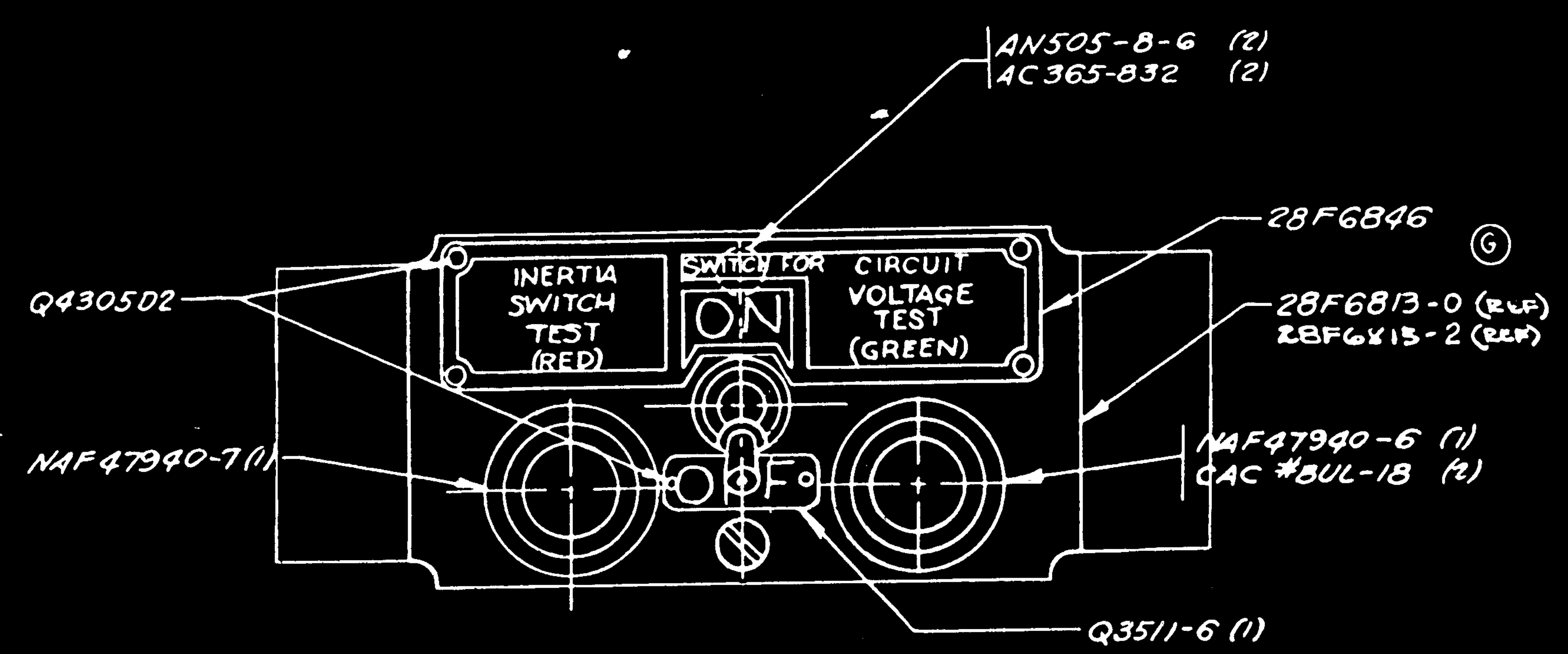
OPP HAND — DWG SIZE D — 28F5012

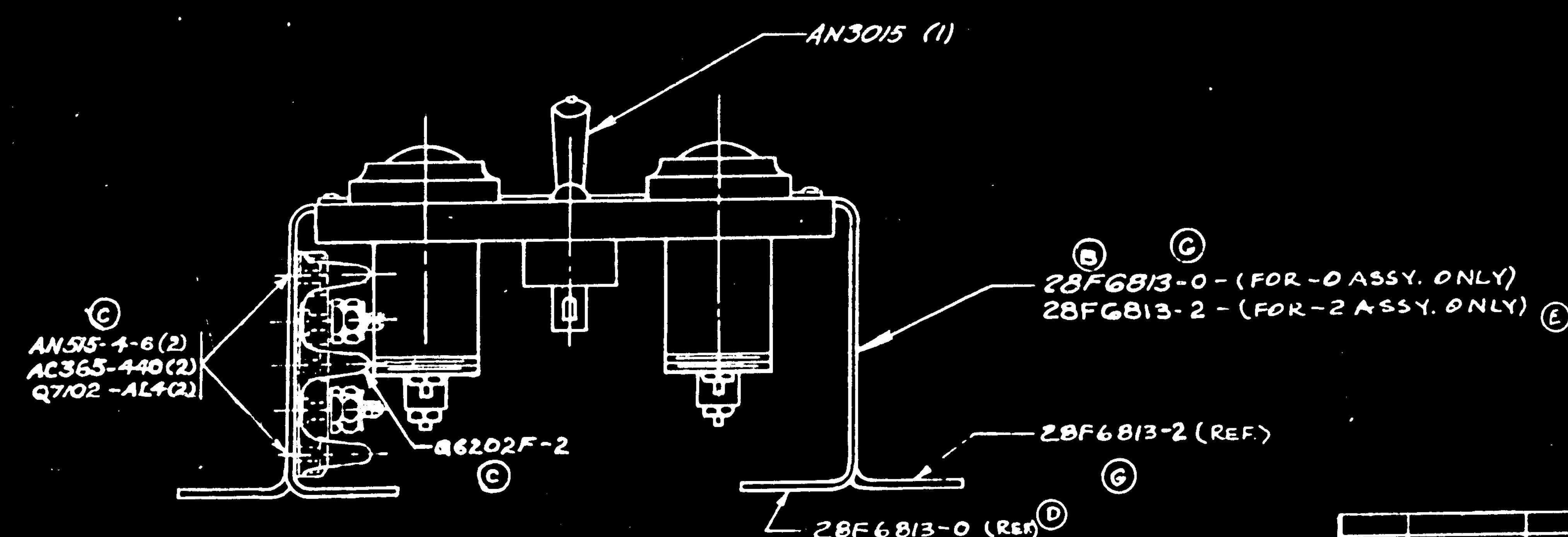
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF

LET	ALTERATION	DATE	BY
A	IN B/M, FOR -6, REPLACED "K5401 X 11 1/8 AL ALLOY, 24ST, 46A9-T" WITH "Y-2-A27RT X 11 1/8"; FOR -7L & -7R, REPLACED "K5401 X 9 1/4 AL ALLOY 24ST, 46A9-T" WITH "Y-2-A27RT X 9 1/4"; & FOR -8L & -8R, REPLACED "K5401 X 3 1/8, AL ALLOY 24ST, 46A9-T" WITH Y-2-A27RT X 3 1/8". ON FACE WT. CHART WAS "-6, .107, -6, .107, -7L, .032, -7R, .032, -8L, .030 & -8R, .030"; TOTAL OF ".452". BRO'T. RELEASES UP TO DATE. WT. CHG. NEG.	6-5-43	[illegible]
B	IN B/M, FOR -6, -7 1/R & -8 1/R, REPLACED "Y-2-A27RT", WITH "NOTED" & "NOTED" MATL. & SPEC. ON FACE OF DWG. ADDED MATL. NOTE FOR -6, -7 1/R & -8 1/R. (NO WT. CHG.)	10-22-43	[illegible]



NOTE: (B)
MAT'L. FOR -6, -7 1/R, & -8 1/R MAY BE:
(A) Y-2-A27RT, OR
(B) K5401, AL. AL. EXTR, SPEC. QQ-A-354-T





	LET	ALTERATION		
E O A65414	A	ADDED NEW NEXT ASSY		
		28F6966 FOR PBY-5		
		NO WT CHG.	10-20-42	MOE
	B	28F6813-6 & -7 WAS 28F6813.		
		NO WT CHG	11-2-42	CLARK
A63867A	C	ADDED Q6202F-2(1), AN515-4		
M.C.R. #138(5)		-6(2), AC365-440(2) &		
		Q7102-AL4(2), WT. .328		
		WAS .288	11-12-42	
E.O. A89403	D	CREATED -2 ASSY & ADDED		
(MCR 138)		28F6813-7 FLANGE (NO WT CHG)		Pa Rak
	E	28F6813-8 WAS 28F6813-7.		
		(NO WT CHG)		Pa Rak
	F	CHGD ASSY DASH NO. FOR PBY5A.		
		C.NO25464 FROM -0 TO -3. NO WT CH	5-7-43	WALLACE
	G	28F6813-0 (1) WAS -6 (1) & 28F		
		6813-2 (1) WAS -8 (1). WT CHG NEG.	8-24-43	HENDERSON

	ASSY DASH NO.	MODEL	NEXT ASSY	REQ
C.NO25464	-3	PBY-5A	28F6966	1
C.91876 #90 ON (MCR 138)	-2	PBY-5	28F6966	1
	-0	XPBY-1	31F2577	1
CONTRACT 91876 #1-89	-0	PBY-5	28F6860	1
CONTRACT 88476	-0	PBY5A	28F6860	1

REQUIREMENTS PER AIRPLANE

REPLACES — .328 CALC WT

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/64 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	REQ -0	REQ -2	REQ -3	REQ -4	REQ -5
Q6202F-2				1	1			
28F6846				1	1			
28F6813-2					1			
28F6813-0				1				
CAC #BUL-18	LAMP 28V COIL	TYPE T-4½ DBLE CONT SCR		2	2			
NAF47940-7	SOCKET-RED	KIRKLAND #555 OR EQUIV		1	1			
NAF47940-6	SOCKET-GREEN	KIRKLAND #555 OR EQUIV		1	1			
Q7102-AL4				2	2			
Q430502								
Q3511-6				1	1			
AC365-440				2	2			
AC365-832				2	2			
AN515-4-6				2	2			
AN3015				1	1			
AN505-8-6				2	2			

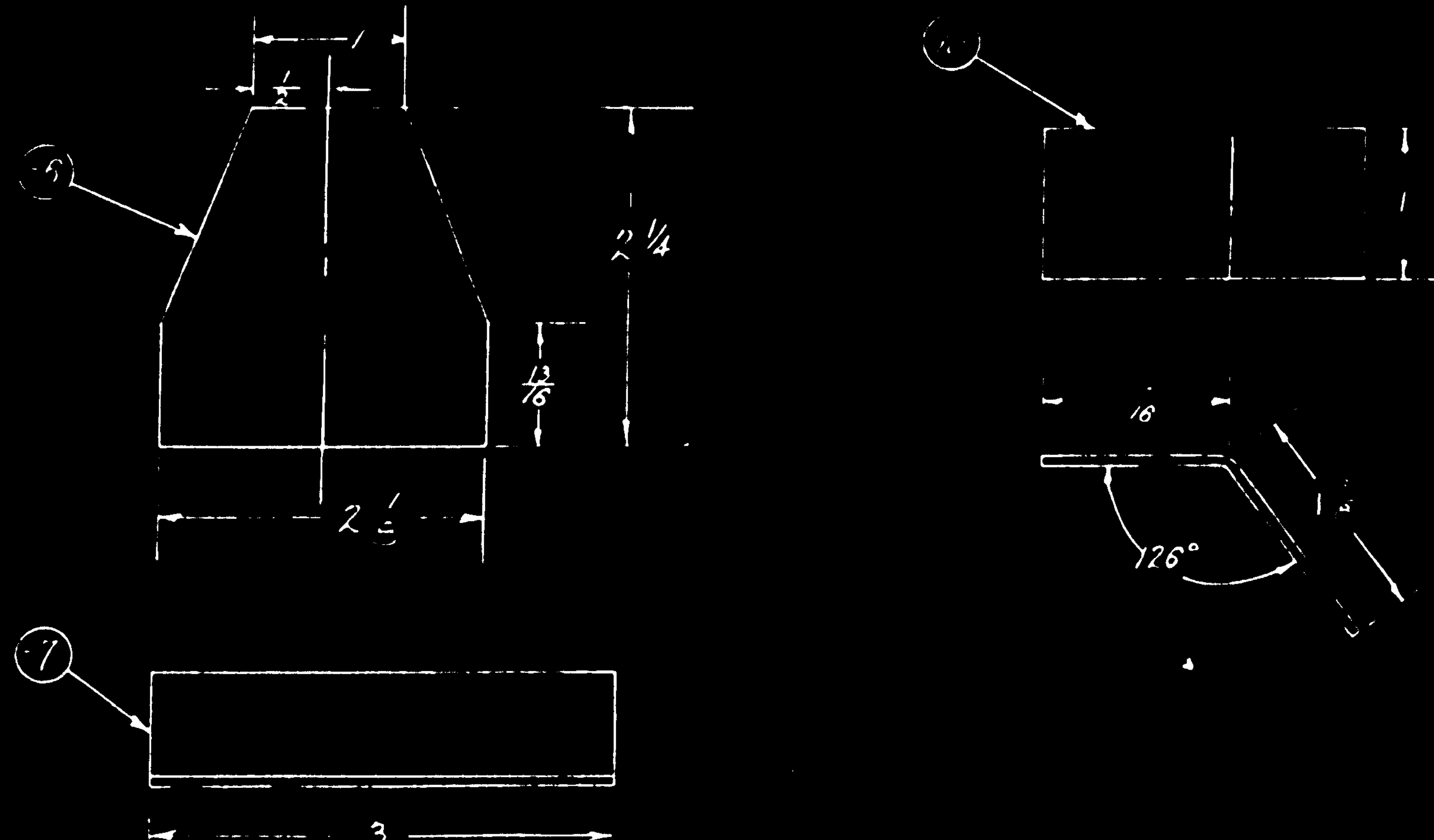
PARTS LIST PER ASSY.

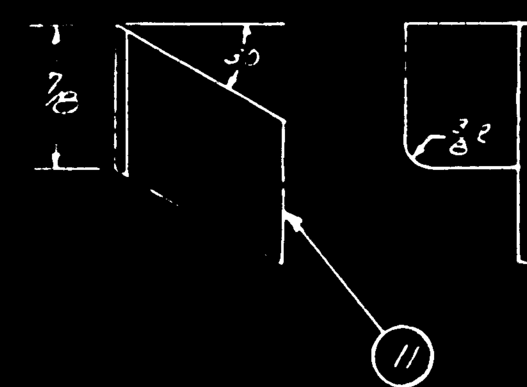
A C			KRAUSE	VEW SIMS	GERBER		GROVER	J.C.H.
NAVY			7-22-42	B.C. BECHAR		RATH	8-31-42	WOLD
HEAT TREAT	FINISH		CHAN	CHECK			MAT	APPROV	ENG

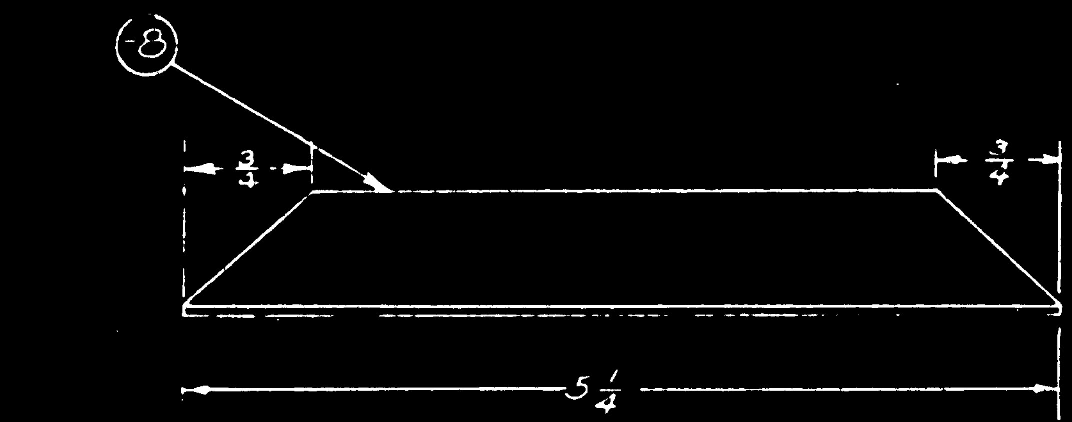
NAME INDICATOR ASSY FURNS ABD.

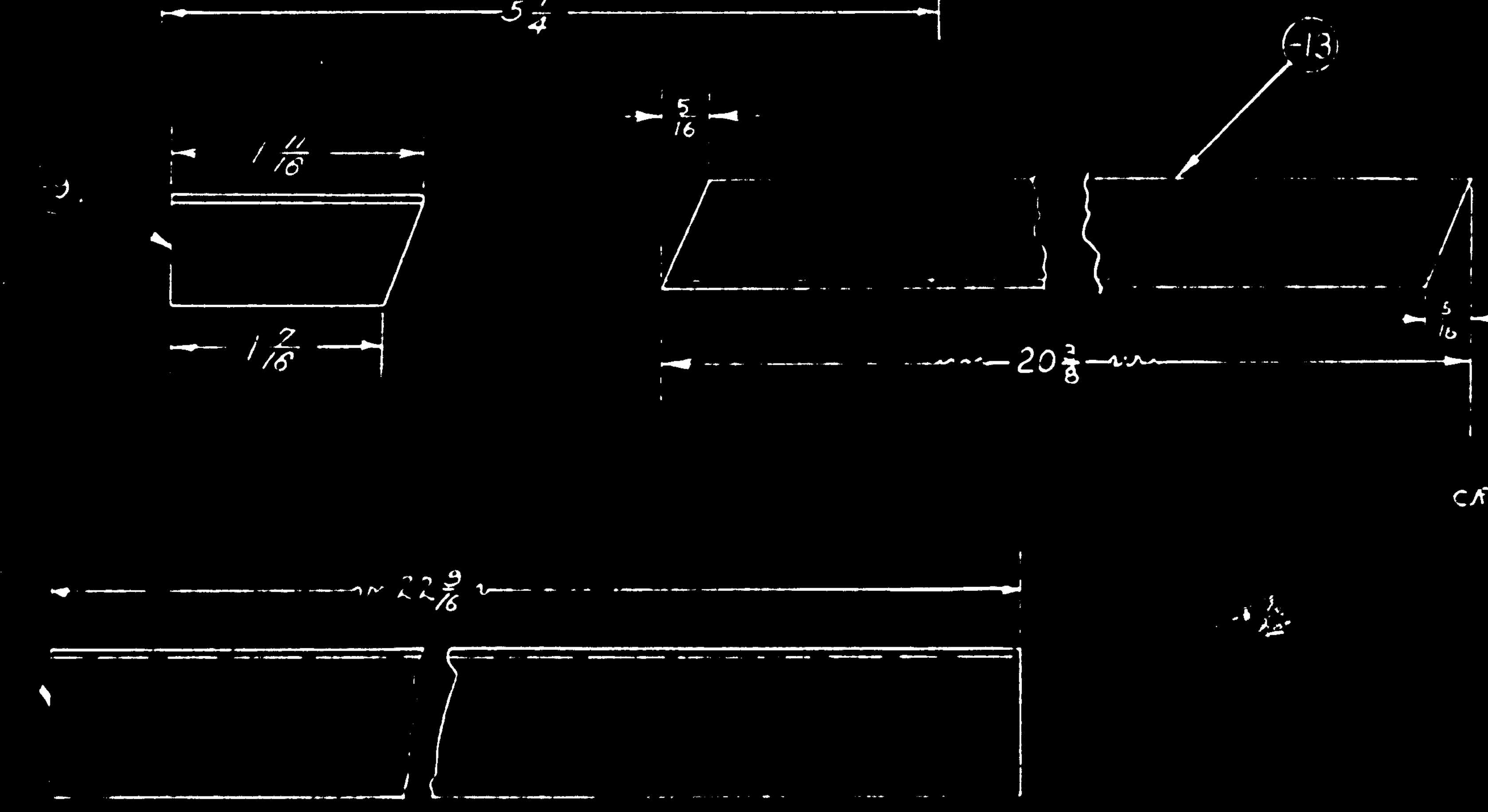
D 28F6839

CONSOLIDATED AIRCRAFT CORP. WF SAN DIEGO CALIF









LET	ALTERATION	DATE	BY
A	IN B/M, FOR -7, REPLACED "K5401 x 3 1/8, AL. AL. 24ST, 46A9-T" WITH "Y-2-A27T x 3 1/8" FOR -8, REPLACED "K5401 X 5 3/8, AL AL 24ST, 46A9-T" WITH "Y-2 A27T x 5 3/8" FOR -9, REPLACED "K5401 x 1 3/8, AL. AL. 24ST 46A9-T" WITH "Y-2-A27T x 1 3/4" FOR -11, REPLACED "1288 x 1 5/8, AL. AL. 24 ST, 46A9-T" WITH "Y-6-A26T x 1 5/8" FOR -13, REPLACED "K5401 X 20 1/2, AL. AL. 24ST, 46A9-T," WITH "Y-2-A27T x 20 1/2" (WT. CHG NEG.)	5-7-43	KNIGHT
B	IN B/M FOR -7 REPLACED "Y-2-A27T X3 1/8" WITH "NOTED." FOR -8 REPLACED "Y-2-A27T X5 3/8 WITH "NOTED" FOR -9, REPLACED "Y-2-A27T X 1 3/4, WITH "NOTED" FOR -11, REPLACED "Y-6-A26T X 1 5/8, WITH "NOTED" FOR -13, REPLACED "Y-2-A27T X 20 1/2", WITH "NOTED", & "NOTED" SPEC. & MAT'L. FOR -7, -8, -9, -11, & -13. ON FACE OF DWG, ADDED MAT'L. NOTES #1, 2, 3, 4 & 5. (NO WT. CHG)	10-15-43	NOBLE

Ⓑ NOTES:

1- MAT'L. FOR -7 MAY BE:
(A) Y-2-A27T X 3 1/8, OR
(B) K5401 X 3 1/8, 24ST AL ALLOY EXTR, SPEC QQ-A-354-T

2- MAT'L. FOR -8 MAY BE:
(A) Y-2-A27T X 5 3/8, OR
(B) K5401 X 5 3/8, 24ST AL ALLOY EXTR, SPEC QQ-A-354-T

3- MAT'L. FOR -9 MAY BE:
(A) Y-2-A27T X 1 3/4, OR
(B) K5401 X 1 3/4, 24ST AL ALLOY EXTR, SPEC. QQ-A-354-T

4- MAT'L. FOR -11 MAY BE:
(A) Y-6-A26T X 1 5/8, OR
(B) K1288 X 1 5/8, 24ST AL ALLOY EXTR, SPEC. QQ-A-354-T.

5- MAT'L. FOR -13 MAY BE:
(A) Y-2-A27T X 20 1/2, OR
(B) K5401 X 20 1/2, 24ST AL. ALLOY EXTR., SPEC. QQ-A-354-T.

C# 15595 / C# 91876 #90 & ON / CA# 143 MN.

ASSY DASH NO	MODEL	NEXT ASSY	REQ
-13	PBY-5A	28F6913	1
-12			1
-11			1
-10			1
-9			1
-8			1
-7			1
-6	PBY-5A	28F6913	1
-13	PBY-5	28F6912	
-12			
-11			
-10			
-9			
-8			
-7			
-6	PBY-5	28F6912	

REQUIREMENTS PER AIRPLANE

REPLACES — CALC WT .36

REPLACED BY — ACT WT

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART NO.	STOCK	MATERIAL	SPEC
-13	NOTED	NOTED	NOTED
-12	Y2-A44T X 22 3/4		
-11	NOTED	NOTED	NOTED
-10	.051 X 1 1/8 X 2 3/4	24ST ALC.	47A8-T
-9	NOTED	NOTED	NOTED
-8	NOTED	NOTED	NOTED
-7	NOTED	NOTED	NOTED
-6	.051 X 2 1/4 X 2 3/8	24ST ALC.	47A8-T

PARTS LIST PER ASSY

-0 -2 -3 -4 -5

AC — NAVY — HEAT TREAT ~ — FINISH Z-P-GP — 9-11-42

NAME BRACKETS FURN'S INTER SQUAD TRANS & REC'R SHELF

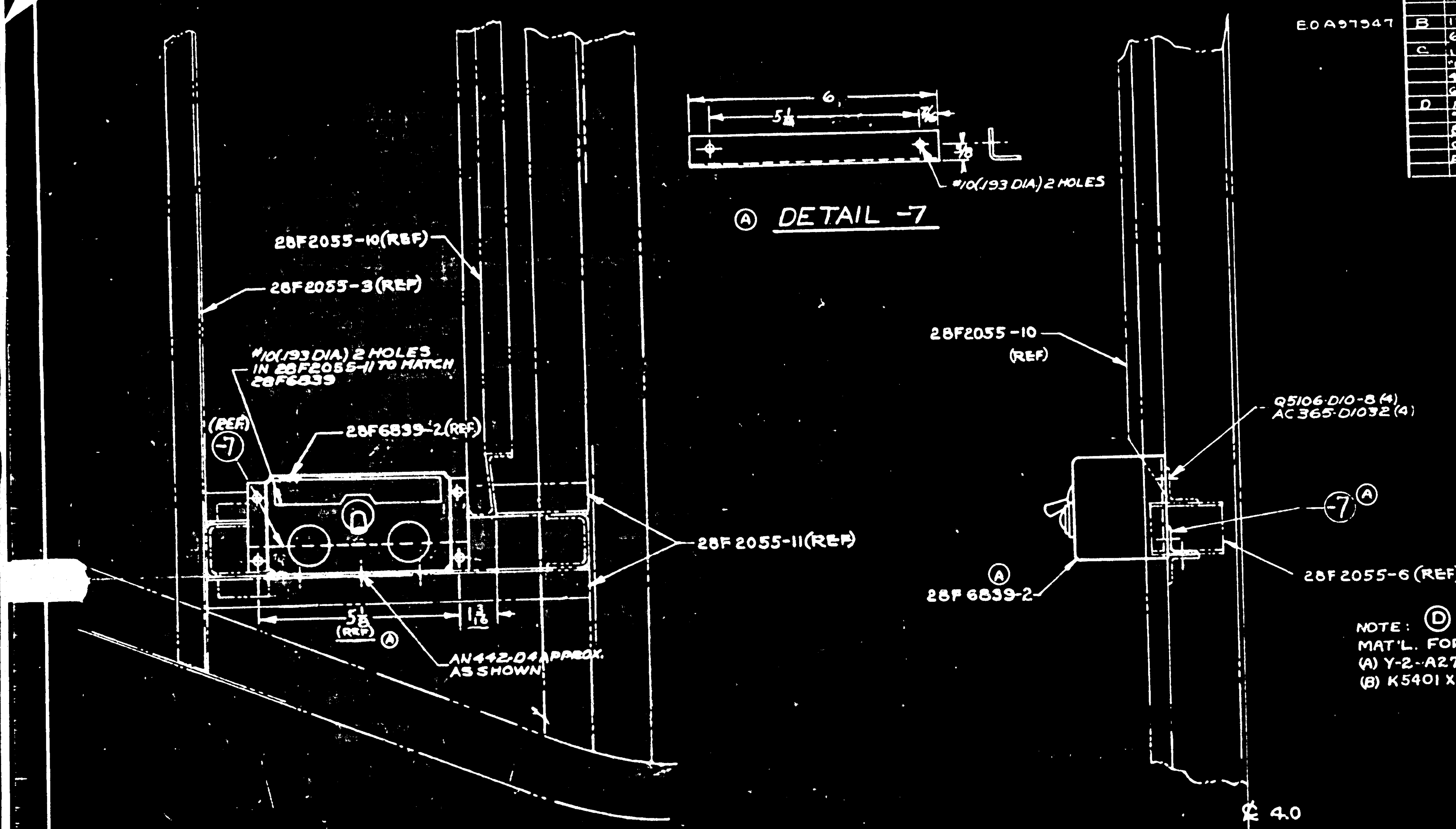
NONE

D 28F6910

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO

0162182

	LET	ALTERATION	DATE	BY
E.O. A95221	A	-7 WAS -6, 28F6839-2 WAS 28F6839, 1 3/16 DIM. WAS 1 1/8 WT. .32 WAS .31	12-31-42	MORENO
E.O A97547	B	IN B/M 6 1/8 FOR -7 WAS 6 1/16. NO WT. CHG.	1 22 43	ROSS
	C	IN B/M FOR -7 REPLACED "K5401 X 6 1/8, AL. AL. EXTR., 46A9.T" WITH "Y-2-A27RT X 6 1/8" (WT. CHG. NEG.)	5-4-43	KNIGHT
	D	IN B/M, FOR -7, REPLACED "Y-2-A27RT X 6 1/8", WITH "NOTED" & "NOTED" SPEC. & MAT'L. ON FACE OF DWG., ADDED MAT'L. NOTE FOR -7. NO WT. CHG.	10-22-[illegible]	NOBLE



NOTE: Ⓓ
MAT'L. FOR -7 MAY BE:
(A) Y-2-A27RT X 6 1/8, OR
(B) K5401 X 6 1/8, AL. AL. EXTR., SPEC. QQ-A-354-T.

VIEW LOOKING AFT BLK'D 4.0 ST'BD SIDE

C. NO2 (S) 464 -
Contr. 91876
90 & ON

ASSY. DASH No.	MODEL	NEXT ASSY.	REQ.
	PBY-5A	28F6002	1
	PBY-5	28F1002	1

REQUIREMENTS PER AIRPLANE

REPLACES	.32 CALC. WT.
REPLACED BY	ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/32	SCALE 6" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.	-0 REQ. LH	-0 REQ. RH	-2 REQ. LH	-2 REQ. RH	-3 REQ. LH	-3 REQ. RH	-4 REQ. LH	-4 REQ. RH	-5 REQ. LH	-5 REQ. RH
AN442-D4													
Q5106-D10-8				4									
AC365-D1032				4									
28F6839-2				1									
-7	NOTED	NOTED	NOTED	1									

PARTS LIST PER ASSY.

AC			GARCIA					
NAVY NONE	-6, ZP-GP		9/30/42					
HEAT TREAT	FINISH		DRAFT	CHECK	STRUCT	MAT	APPROV	AUTH

NAME INSTALL-FURNS ABD INDICATOR & MTG.

OPP HAND

DWG SIZE D — 28F6966

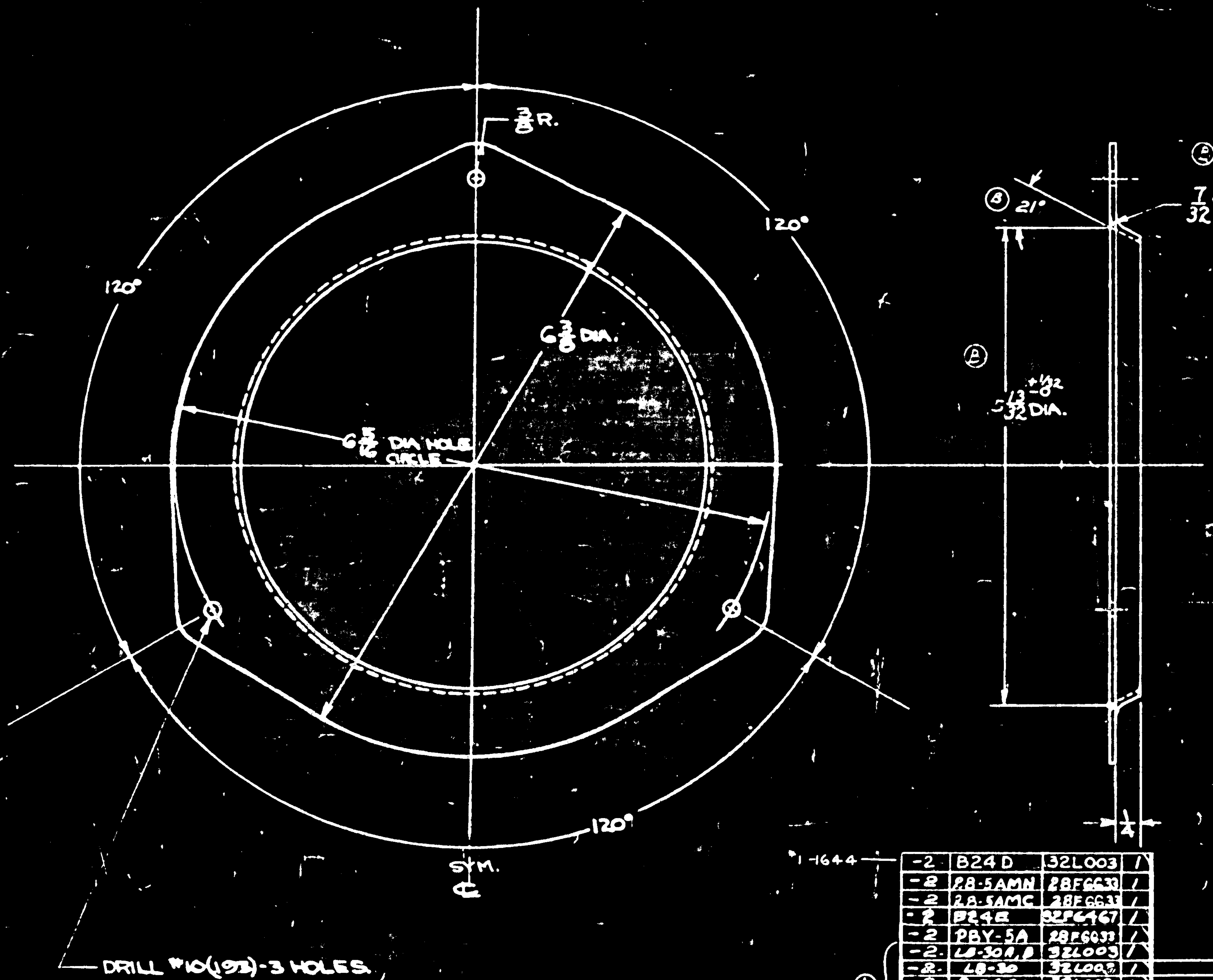
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

• MC 138

28F6966

LET	ALTERATION	DATE	BY
A	ADDED [illegible] NEXT ASSEMBLY	[illegible]	[illegible]
B	CREATED -2 TO REPLACE -0	11/21/[illegible]	HAIG
	5 1/32 R. WAS 5 1/4 R. 7/32 R WAS 1/4 R.		
	21° DIM. WAS 28°.		
C	ADDED REQ'T FOR B-24 E	11/26/41	HAIG
D	BRT. REQMTS./AIRP. TO DATE	[illegible]	[illegible]
E	WAS 32F6467 WAS 32F717 FOR B24E	[illegible]	[illegible]

E.O.# AG5154
CR# 301



	MODEL	NEXT ASSY	
-2	B24D	32L003	1
-2	28-5AMN	28F6633	1
-2	28-5AMC	28F6633	1
-2	B24E	32F6467	1
-2	PBY-5A	28F6633	1
-2	LB-30A,B	32L003	1
-2	LB-30	32L003	1
-2	B-24AC	32L003	1
-2	B-24	32L003	1
-2	XB-24B	32L003	1
-2	B-24C	32F717	1
-2	B-24D	32F717	1
-2	XPBY-3	29F1503	2
-2	PB2Y-3	32F717	1
-2	XPB2Y-3	32F717	1
-2	PB2Y-2	29F1503	2

1-1644 (first row); (A) (bracketed rows); 1-8 ONLY

REQUIREMENTS PER AIRPLANE

REPLACES — .10 CALC. WT.

REPLACED BY — ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ±1/32 ±1/2° — SCALE 12" = 1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC.	LH REQ	RH REQ	LH REQ	RH REQ	LH REQ	RH REQ	LH REQ	RH REQ	LH REQ	RH REQ
(B) -2	.064X7 1/2X8	ALCL 24SO 47AB COMA		1									

PARTS LIST PER ASSY.

A C							
NAVY SR B3	Z-P-AP	1-1640					
HEAT TREAT	FINISH	DRAFT	CHECK	STRUCT	MAT.	APPROV	ENG.

NAME: SUPPORT-RING 5" ACCUMULATOR

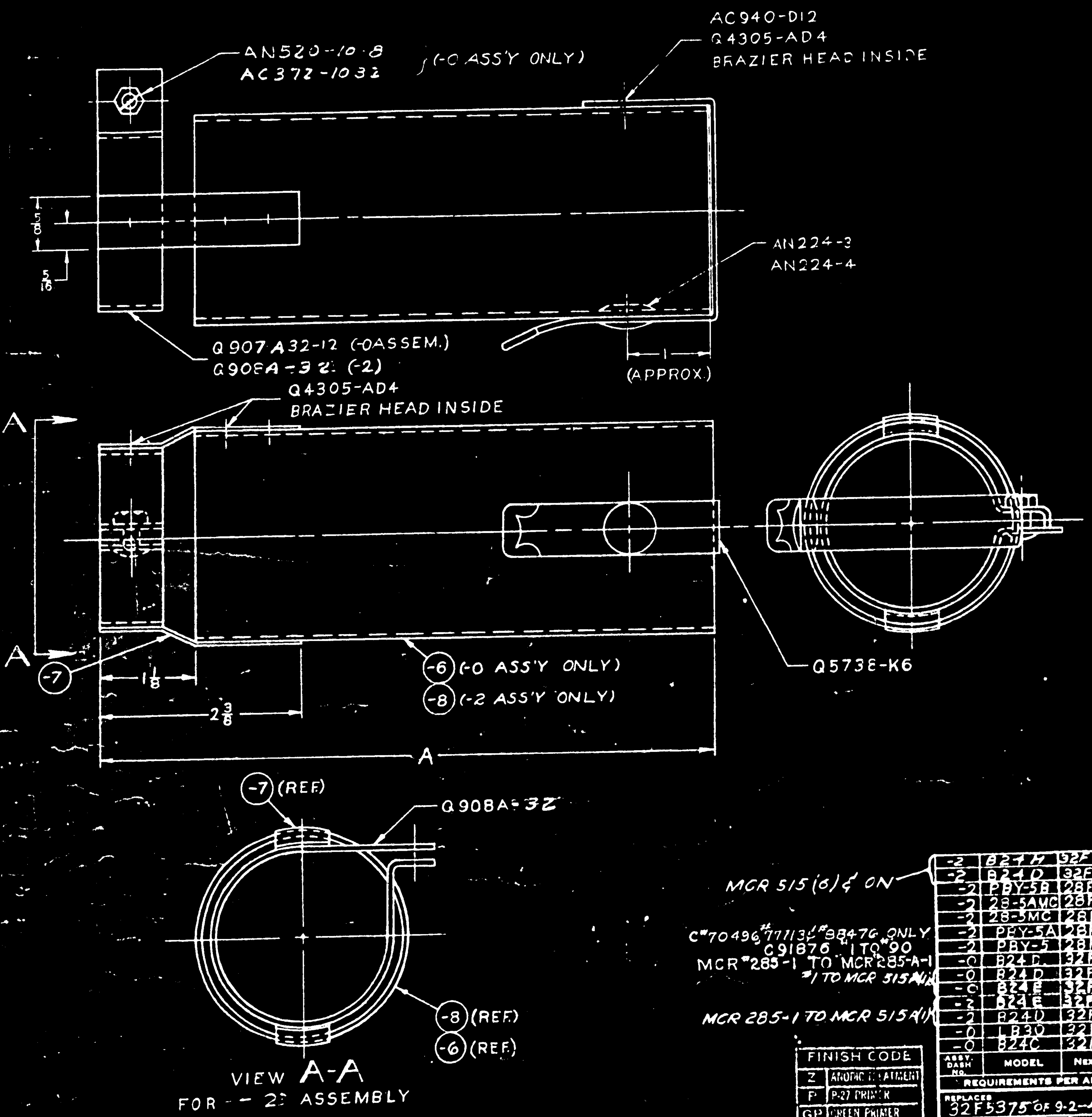
OPP. HAND

DWG. SIZE: D — 29F150[illegible]

CONSOLIDATED AIRCRAFT CORP. SAN DIEGO, CALIF.

CHECKED BY [illegible] DATE 4-24-41

LET	ALTERATION	DATE	BY
G	REDRAWN TO SCALE 12"=1'-0" NO WT. CHG.	6-9-43	HENDERSON
H	REMOVED -3 ASSY, 4-9 & MCR 125(4) REQMT.	6-9-43	[illegible]
J	LIMITED B24D & E REQTS ON N/A'S 32F6479 & 32F5373 UP TO MCR 515 A(1)	8-10-43	[illegible]
K	ADDED B24D & B24H REQTS FOR -2 (1) REQ. ON N/A 32F7990, NO. WT. CHG.		
[illegible]	AC372-1032 WAS [illegible] [illegible] WAS [illegible] [illegible]	8-10-43	[illegible]



NOTES-

1. ROUND OFF ALL CORNERS & EDGES TO PREVENT CHAFING OF FLEXIBLE DUCT.

ASSY	A
-0	7 1/2
-2	18 1/4

FINISH CODE	
Z	ANODIC TREATMENT
P	P-27 PRIMER
GP	GREEN PRIMER
C	CADMIUM PLATE
FBG	FLAT BRONZE GREEN

MCR 515 (6) & ON

C#70496 #77113 & #98476 ONLY
C91876 #1 TO #90
MCR #285-1 TO MCR 285-A-1
#1 TO MCR 515A(1)

MCR 285-1 TO MCR 515A(1)

ASSY. DASH NO.	MODEL	NEXT ASSY.	REQ.
-2	B24H	32F7990	1
-2	B24D	32F7990	1
-2	PBY-5B	28F6152	1
-2	28-5AMC	28F6152	1
-2	28-5MC	28F6152	1
-2	PBY-5A	28F6152	1
-2	PBY-5	28F6152	1
-0	B24D	32F6478	2
-0	B24D	32F5373	2
-0	B24E	32F5373	2
-2	B24E	32F6479	1
-2	B24D	32F6419	1
-0	LB30	32F5371	2
-0	B24C	32F5371	2

REQUIREMENTS PER AIRPLANE

REPLACES 32F5375 OF 9-2-41

REPLACED BY

NOTED CALC. WT. / ACT. WT.

LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/16

SCALE 12"=1'-0"

STAMP PART NUMBER WHERE SHOWN

PART No.	STOCK	MATERIAL	SPEC.
Q4305-AD4			
Q5738-K6			
Q908A-32			
Q907A32-12			
AC372-1032			
AC940-D12			
AN224-4			
AN224-3			
AN520-10-8			
-8	2 1/2 OD X .065 [illegible]	[illegible]	[illegible] COND.
-7	.020 X 5/8 X [illegible]	AL. [illegible] ST.	[illegible]
-6	2 1/2 OD X .065 X [illegible]	AL. AL. TUBE	[illegible] COND.

PARTS LIST PER ASSY.

AC NONE — Z-P-FBG

NAVY NONE — ZP-AP

HEAT TREAT — FINISH

PROUGH — 6-9-43 — HOOV

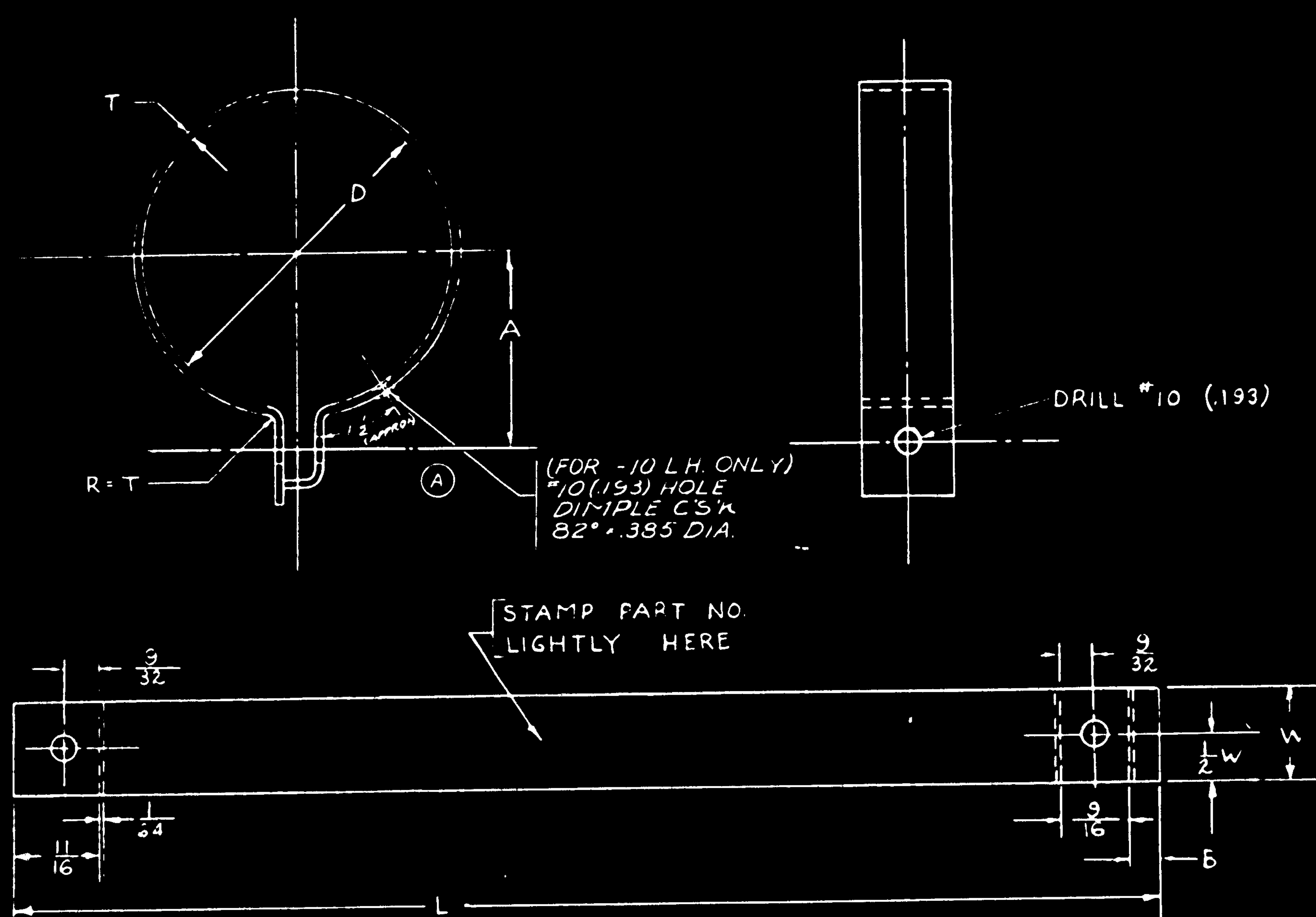
DRAFT. CHECK

NAME ASSEMBLY-CONTAINER DEFROSTER DUCT.

CONSOLIDATED VULTEE AIRCRAFT CORP. SAN DIEGO DIVISION · SAN DIEGO, CALIF.

B 32F5975

LET	ALTERATION	DATE	BY
A	ADDED -10 SAME AS -9 EXCEPT DIMPLE CSK AND HOLE ADDED TO -10 ADDED "FOR -10 — .385 DIA" NOTE. -9 FOR B24D 435 ¢ ON (4 REQ) WAS (6 REQ) N.A. 32F6926 ADDED TO REQ. -10 FOR B24D 435 ¢ ON, N.A. 32F5505 (2 REQ) NO WT CHG	6-16-42	[illegible]
B	REVISED REQ. PER AIRPLANE (E.O. #A39770)	10-21-42	[illegible]
C	REVISED REQ PER AIRPLANE (E.O. #A59750)	10-21-42	[illegible]
D	ADDED -11, -12, -13, -14, -15 WT. CHG. NEG. (E.O. #A91799)	3/13/43	[illegible]



FLAT PATTERN

DASH No.	D	A	B	T	L	W	
-6	2 1/2	1 9/16	3/16	.050	9 1/4	3/4	REPLACES Q907-40-12 *
-7	6	3 5/16	3/16	.050	20 15/64	3/4	" Q907-96-12
-8	6 3/8	3 1/2	3/16	.050	21 13/32	3/4	" Q907-102-12
-9	7 1/16	3 27/32	3/16	.050	23 39/64	3/4	" Q907-113-12
-10	7 1/16	3 27/32	3/16	.050	23 39/64	3/4	" Q907-113-12
-11	2 15/16	1 25/32	3/16	.050	10 19/32	1	" Q907-47-16
-12	6	3 5/16	3/16	.064	20 13/64	3/4	" Q907-A96-12
-13	6	3 3/16	3/16	.050	20 15/64	1	" Q907-96-16
-14	6 1/8	3 3/8	3/16	.050	20 39/64	1	" Q907-98-16
-15	7 1/16	3 27/32	3/16	.064	23 39/64	3/4	" Q907-A113-12

Ⓓ

	ASSY DASH NO	MODEL	NEXT ASSY	REQ
MCR #1A-341	-7	B24E	32F6926	4
MCR #1A-341	-9	B24E	32F6926	3
#1-434	-10	B24D	32F5505	2
MCR #1A-341	-7	B24E	32F6427	4
MCR #1A-341	-10	B24E	32F6926	3
MCR #1A-341	-10	B24D	32F6426	3
MCR #1A-341	-9	B24D	32F6426	3
*	-7	B24D	32F5505	4
#1 TO 434	-7	B24C	32F5779	4
#1 TO 434 *	-9	B24D	32F5505	HEM
#435 ¢ ON	-7	B24-D	32F6926	4
*	-8	28-5AMN	28F6545	2
		28-5AMC	28F6545	2
		PBY-5A	28F6545	2
#435 ¢ ON	-7	B24D	32F6427	4
		28-5AMN	28F6545	4
*	-6	28-5AMC	28F6545	4
		PBY-5A	28F6545	4

REQUIREMENTS PER AIRPLANE

REPLACED — CALC WT

REPLACED BY — ACT WT

LIMITS ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± .010 — SCALE 12" = 1'0"

STAMP PART NUMBER WHERE SHOWN

PART No	STOCK	MATERIAL	SPEC	
-15	.064 X 23 39/64 X 3/4	ALCLAD	QQA 362 - II	
-14	.050 X 20 39/64 X 1	C.M. STEEL	57-136-8	
-13	.050 X 20 15/64 X 1	C.M. STEEL	57-136-8	
-12	.064 X 20 13/64 X 3/4	ALCLAD	QQ-A-362 II	
-11	.050 X 10 19/32 X 1	C.M. STEEL	57-136-8	
-10	.050 × 23 39/64 × 3/4	CHROM MALOY STL	57-136-8	(ARMY SPEC)
-9	.050 × 23 39/64 × 3/4	CHROM MALOY STEEL	57-136-8	(ARMY SPEC)
-8	.050 × 21 13/32 × 3/4	" " "	475-14	(NAVY SPEC)
-7	.050 × 20 15/64 × 3/4	" " "	57-136-8	(ARMY SPEC)
-6	.050 × 9 1/4 × 3/4	CHROM MALOY STEEL	475-14	(NAVY SPEC)

PARTS LIST PER ASSY.

LH / RH REQ -0	LH / RH REQ -2	LH / RH REQ -3	LH / RH REQ -4	LH / RH REQ -5

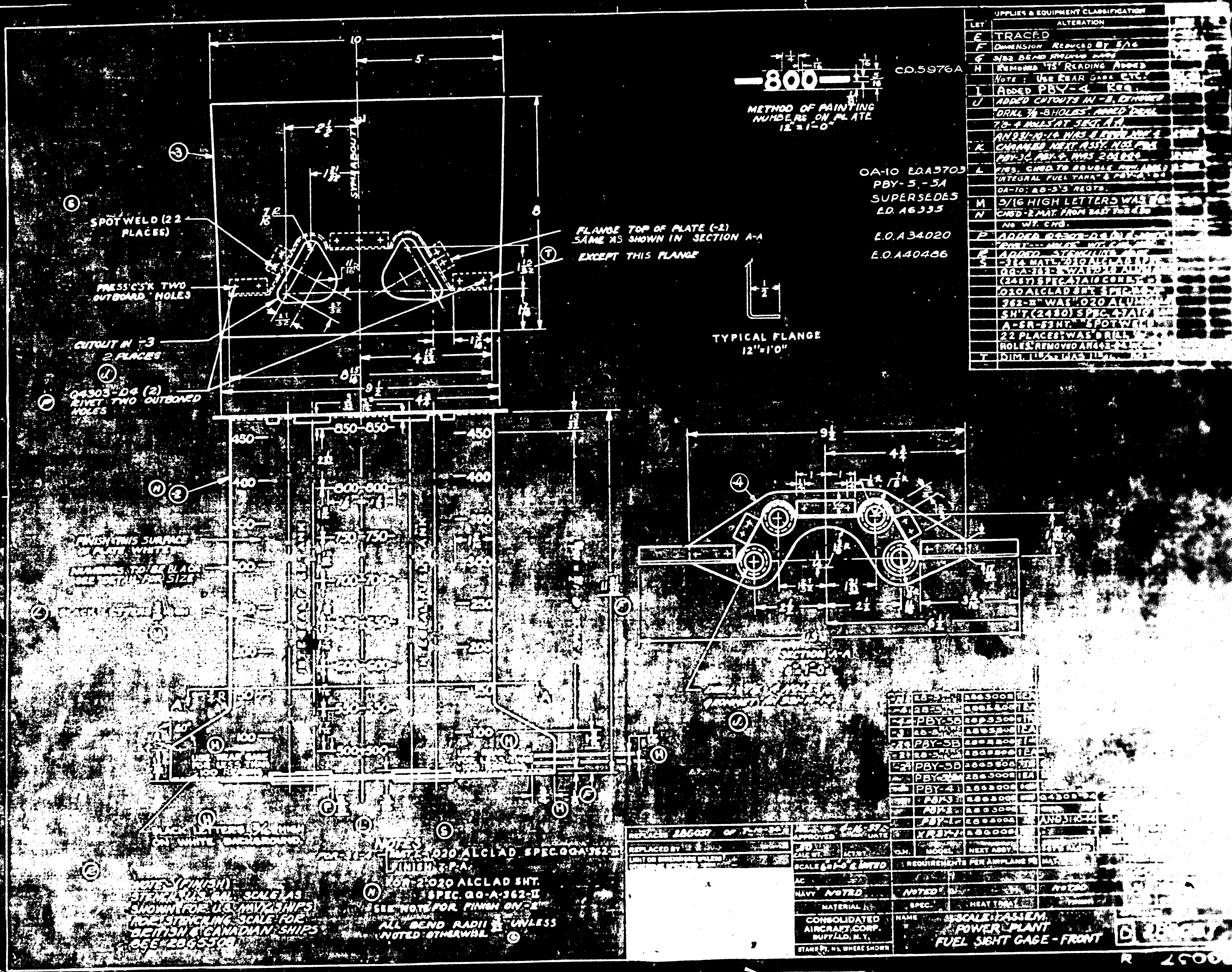
HEAT TREAT	FINISH
AC ANNEAL	CAD PLATE
NAVY ANNEAL	CAD PLATE

DRAFT — CHECK — STRESS — MAT — APPROVED: [illegible signatures]

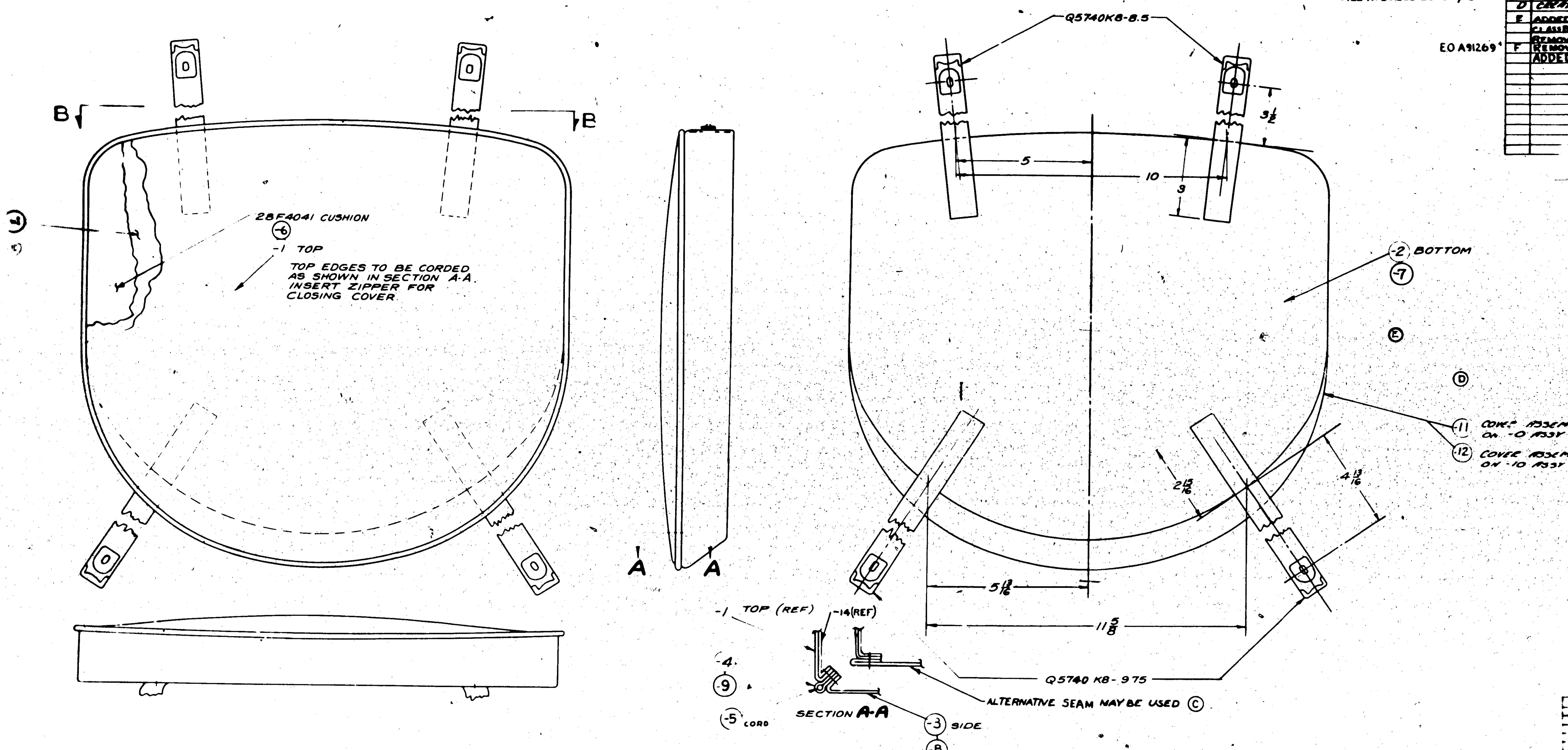
NAME: CLIP - TENSION WRAP HYD HOSE - HYD SYS.

DWG D 32F5787

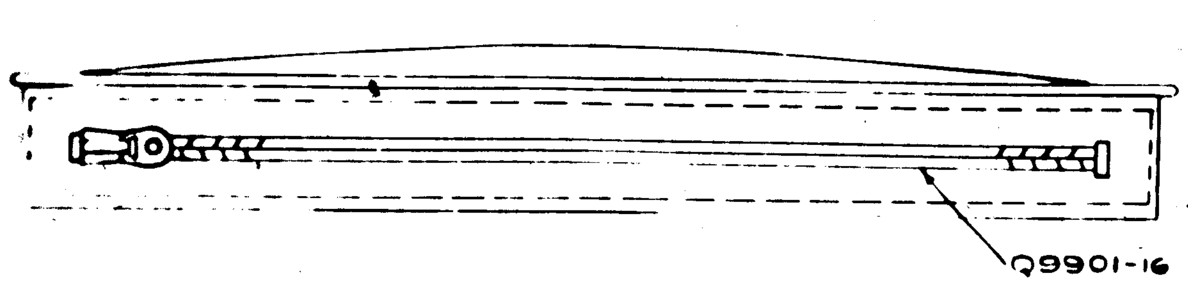
CONSOLIDATED AIRCRAFT CORP. SAN DIEGO CALIF.



ALTERATION
E TRACED
F DIMENSION REDUCED BY 5/16
H REMOVED "75" READING ADDED
NOTE: USE REAR GAGE ETC.
I ADDED PBY-4 REQ.
J ADDED CUTOUTS IN -3
K CHANGED NEXT ASSY. NOS.
M 5/16 HIGH LETTERS WAS
S -3&4 MATL. .020 ALCLAD
.020 ALCLAD SH'T.
SH'T (24SO) SPEC. 47A10
22 PLACES: WAS DRILL
HOLES REMOVED
T DIM.
800
METHOD OF PAINTING NUMBERS ON PLATE 12"=1-0"
C.O.5976A
OA-10 E.O.A5703
PBY-5, -5A
SUPERSEDES
E.O. A6335
E.O.A34020
E.O.A40486
FLANGE TOP OF PLATE (-2) SAME AS SHOWN IN SECTION A-A
EXCEPT THIS FLANGE
TYPICAL FLANGE
12"=1'0"
SPOTWELD (22 PLACES)
PRESS C'SK TWO OUTBOARD HOLES
CUTOUT IN -3
2 PLACES
04303-D4 (2)
RIVET TWO OUTBOARD HOLES
SYM. ABOUT
FINISH THIS SURFACE OF PLATE WHITE
NUMBERS TO BE BLACK SEE DETAIL FOR SIZE
SECTION A-A
BLACK LETTERS 3/4 INCH HIGH ON WHITE BACKGROUND
NOTES
FOR -3 & -2 MAT'L. .020 ALCLAD SPEC. QQ-A-362-II
FINISH Z-P-A
FOR -2 .020 ALCLAD SHT. SPEC. QQ-A-362-II
SEE NOTE FOR FINISH ON -2
ALL BEND RADII 1/32 UNLESS NOTED OTHERWISE
NOTE (FINISH)
STENCIL U.S. GAL. SCALE AS SHOWN FOR U.S. NAVY SHIPS
FOR STENCILING SCALE FOR BRITISH & CANADIAN SHIPS
SEE 28G3508
PBY-5B
PBY-4
XP3Y-1
NEXT ASSY.
MODEL
REQUIREMENTS PER AIRPLANE
MATERIAL
SPEC.
HEAT TREAT
CONSOLIDATED AIRCRAFT CORP. BUFFALO, N.Y.
NAME
SCALE: ASSEM.
POWER PLANT
FUEL SIGHT GAGE - FRONT



A	TRACED
B	ADDED -6, -7, -8, -9, ADDED -K AS ASSY FOR XB-24 & B-24
C	ADDED ALTERNATIVE SEAM FOR SEAM
D	CREATED -11 & -12
E	ADDED -16, NOTE 5, VIEW B-B, Q9901-16
F	REMOVED NOTES; ADDED NOTE 7



VIEW B B

NOTES:

2 THE MATERIAL FOR -5 CORD IS VARIABLE. USE ANY CORD OF SUFFICIENT DIAMETER
3 SLIP COVER TO BE A SNUG FIT ON CUSHION.
4 SEW SEAMS WITH #16-4 THREAD FABRICATE IN ACCORDANCE WITH SPEC. 49C9

6 MAKE -14 FROM ARTIFICIAL LEATHER C.A.C.# LEAT 16 SPEC E-KK-L-136 TYPE-3 CLASS B.
7 MATERIAL FOR -1, -2, -3, -4, -6, -7, -8, & -9 CAC # FAB 20-25 GREEN CANDA CLOTH, 41-160, (VENDOR, COLLINS & AIKMAN, 200 MADISON AVE., N.Y.) OR EQUIV.

25¢ ON 50-946-55 & 964-17

	MODEL	NEXT ASSY	REQ
	PBY-5	28F1002	2
	PB2Y-3	29F6658	1
	28-5AMN	28F6005	2
	PB2Y-2	29F1002	3
	XB-32	332501	1
	YB-32	332501	1
	PBY-5A	28F6002	2
	PBY-5B	28F7032	2
	PB2Y-3	[illegible]	2
	28-5ME	28F5502	2
	28-5MA	28F5502	2
	28-5MC	28F5502	2
	28-5MN	28F5502	2
	28-5AMC	28F6005	2
1-24	PBY-5	28F1002	4
-10	B-24	32F002	3
-10	XB-24	32F002	3
	PBY-4	28F1002	

REPLACES 28F2084 FOR PBY-4
REPLACED BY
LIMIT ON DIMENSIONS UNLESS OTHERWISE SPECIFIED ± 1/8
SCALE 6" = 1'-0"
MATERIAL NOTED | SPEC NOTED | HEAT TREAT NONE
CONSOLIDATED AIRCRAFT CORP BUFFALO N.Y.
NAME: CUSHION ASSEM - FOR NAV & RADIO OPERATOR'S SEAT
28F4048